



Academic Conference 2015

Welcome to the **Holy Cross Academic Conference 2015** sponsored by the Office of the Vice President for Academic Affairs and Dean of the College. This annual event is a celebration of almost 300 Holy Cross students and their independent work in the performing and visual arts, social sciences, humanities, and physical sciences. The programs, projects, posters, and performances to be presented are the result of student work over one or two semesters under the guidance of faculty members. The students presenting this year represent but a fraction of the independent and group-project work of our students but in recognizing these projects we celebrate the independence, creativity, and intellectual discipline all our students have developed while at Holy Cross and the role members of the faculty have played as mentors and model teacher-scholars. Every presentation in the conference is the result of its author's and faculty advisor's creativity, hard work, and discipline, and together they provide a fitting conclusion to our academic year.

Without the interest, enthusiasm, follow-through, flexibility, and guidance of the faculty and administrative sponsors of the academic programs, this event would not have been possible. Thanks are due to Professors Suzanne Kirschner (Scholar Programs) and Susan Cunningham (CIS), the concentration directors, department chairs, academic program coordinators, conductors of musical groups and directors of Department Honors programs, as well as the many individual faculty who have supervised these student projects. Thanks are also extended to Tom Parsons and Sharon Matys (Graphic Arts), Chip O'Connor, Suzanne Sousa and Elizabeth Rice (Conference Services), Kevin O'Loughlin (Hogan Dining Services), and Jesse Anderson (Audio-Visual) for their long hours, attention to detail, and technical support in putting together this event. A special thanks to Professor Lynn Kremer, Yonca Karakilic, and ATB@HC board of advisors for making a reality the performance/reception that follows the opening presentation by the Fenwick Scholar. Finally deep gratitude is extended to Stephanie Outerson (Academic Services and Learning Resources) for her creativity, imagination, organizational skills and tireless work in making the conference a success.

Of course, the real stars of the conference are the Holy Cross students and faculty who have worked together in the classroom, laboratory, studio, and theatre to prepare for these presentations. Congratulations to all!

Enjoy!

Ronald M. Jarret
Associate Dean of the College



GONZALO GRAU & the PLURAL COMBO:
2015 Academic Conference Opening Concert & Reception

Wednesday, April 22, 2015

Reception • 4:30 PM • Hogan Ballroom
(following Fenwick Scholar presentation)

Concert • 5:00 PM • Hogan Ballroom – free and open to public

Building on last year's popular kick-off with Cristina Pato & the Migrations Band, ATB partners with the Conference once again for a festive celebration!

Equally well-known in the world of Latin-jazz with his Grammy-nominated band La Clave Secreta and classical circles for his collaborations with Osvaldo Golijov, Venezuelan multi-instrumentalist Gonzalo Grau and his Plural Combo bring their own twist to Afro-Cuban classics à la Buena Vista Social Club and Fania All-Stars. Add to the mix Worcester's own Manolo Mairena, whose unparalleled vocal versatility will take us through soulful boleros to the high-octane rhythms of salsa and timba.

A Berklee College of Music graduate and frequent collaborator with Osvaldo Golijov, Gonzalo Grau has established himself as a multi-instrumentalist and his varied credits include performances with Venezuelan music projects like Maroa, Schola Cantorum de Venezuela, Camerata de Caracas and the Simón Bolívar National Youth Orchestra, jazz icon Maria Schneider and the Latin jazz giant Timbalaye. As music director, he leads two projects of his own, "Plural" (Latin jazz-Flamenco-Venezuelan fusion) and "La Clave Secreta" (salsa fusion), which was nominated for a 2008 Grammy in the Best Tropical Album category. As a recording artist, Grau has participated in over 80 productions that bridge the classical and popular music worlds.

Wednesday, 22 April

FENWICK SCHOLAR PRESENTATION

	3:30 p.m.	Rehm Library
Nicholas Cormier '15	The Social Management of Risk and Compliance in the Field of Transplant Medicine	

STUDIO ARTS

Studio Concentration Seminar Roundtable Discussion	12:00 p.m. – 1:00 p.m.	Cantor Art Gallery
Caitlin Cantor '15 Kim Dam '15 Samantha Granison '15 Erin Quinlevan '15 Chelsea Welsh '15	Emiel Castillo '15 Meridith Foote '15 Tess Hazen '15 Lorena Sferlazza '15 Leica Lucian '15	
Studio Senior Minor Exhibition Auranous Abhar '15 Victoria Cheske '15 Evan Ciejka '15 Forrest Deily '15	6:00 p.m. – 7:00 p.m. Sophia Jin '15 James O'Brien '15 Amanda Williams '15	SAS Gallery Hogan 1

CHAMBER ORCHESTRA CONCERT

	7:30 p.m.	Brooks Concert Hall
<u>Violin 1</u> Annie Williams '15 Christopher Goessling '18 Marena Elle Minelli '17 Stephanie LaFollette '15 Julia Baker '17 Jill Michelhaugh '16 Joe MacNeill '16	<u>Violin 2</u> Gen Tsudaka '17 Nichole Eckrich '16 Danielle Madkour '16 Abby DeNorscia '17 Riasko Uda '18 Aaron Katz '18	
<u>Viola</u> Gini Peck-Phillips '17 Melody Wauke '17 John Little *	<u>Violoncello</u> Ryan Walsh '16 Matthew Wasser '15 Sam Habein '17 Michael Greco '18 Alex Pisano '16 Teddy Chomiak '18	
<u>Contrabass</u> Andrew Mallalieu '16 Peter Engel '18	<u>Flute</u> Brittany Coscio '18	
<u>Clarinet</u> Ian Tamburini '17 Michael Hanlon '18	<u>Bassoon</u> Michaela Caporello '16	
<u>Trumpet</u> Nathaniel Chmura '18		

*Holy Cross faculty

Thursday, 23 April

PEACE AND CONFLICT STUDIES

9:00 a.m. – 11:00 a.m. Hogan 403

John Green '15

The International Criminal Court: A True Enforcer of Justice?

Leila Souhail '15

Should the United States Ratify the Rome Statute, Thereby Joining the International Criminal Court?

Michelle Moreno-Silva '15

Battered and Undocumented: The Effectiveness of VAWA for Latina Women

Erin Reilly '15

Propaganda vs. Reality: The German Atrocities in Belgium

MONTSERRAT: GLOBAL SOCIETY CLUSTER

9:30 a.m. – 10:45 a.m. Hogan 406(7)

"Hollywood Meets Latin America"

Crossing Boundaries in Latin American Cinema I

Maríel Aleman '18

Afro-Latino/a Identities

Anny Arias Peguero '18

Nicholas Adams '18

Kexin Gao '18

From a Woman's Perspective

Brenna Kent '18

Victoria Vu '18

Nancy Zamudio Martínez '18

Matthew Brown '18

Film and Political Protest

Arely García '18

Matthew Giuffrida '18

James McHale '18

John Nolan '18

Kevin Schwartz '18

Lauren Abbenante '18

The United States and Its Others

Andrew Morfill '18

Frederick Boehrer '18

Selena and Latinidad

Krystal Garcia Ramirez '18

Thursday, 23 April

COLLEGE HONORS

9:30 a.m. – 4:00 p.m. Hogan 401

9:30 a.m.

Bethanne Bartscherer '15

Symmetrical and Within-Session Resurgence of Previously Extinguished Behaviors in Pigeons

10:00 a.m.

Alison Franco '15

Children's Spatial-Relational Representations of the Day-Night Cycle

10:30 a.m.

Alexander Yeo '15

Evaluating the Effects of Age on Migration Capacity in Lung Mesenchymal Stem Cells

12:30 p.m.

Andrew Perkins '15

An Assessment of Undergraduate Business Schools

1:00 p.m.

Arthur Dalton '15

High Culture Consumption: An Econometric Analysis of Live Concert Attendance

1:30 p.m.

Claire Mahoney '15

Approaches to Late-Victorian Poverty: A Re-Examination of the London Charitable Organization Society

2:00 p.m.

Jaqueline Saltarelli '15

Service of Sarcasm: Emotional Labor and Autonomy in a Unique Restaurant Setting

3:00 p.m.

Cecilia Wolfe '15

Gender Recognition in Transgender Memoir

3:30 p.m.

Amanda Williams '15

Transforming Parenting: Parenting Trans and Cisgender Children Together

RELIGIOUS STUDIES THETA ALPHA KAPPA INDUCTION

12:00 p.m. – 2:30 p.m. Hogan Suite A

Christopher Campbell '15

Sean MacKenzie '15

Katherine Manansala '15

Linnea Brandt '16 (Study Abroad)

Kelly Clarke '16 (Study Abroad)

Mitchell Fanning '16

Michala Smith '16 (Study Abroad)

Thursday, 23 April

MONTSERRAT: GLOBAL SOCIETY CLUSTER

12:30 p.m. – 1:45 p.m. Hogan 406(7)

"Hollywood Meets Latin America"

Crossing Boundaries in Latin American Cinema II

Daniel McLoughlin '18
John O'Connor '18
Thomas Petito '18

Migration Stories

Adrian Alonzo '18
Sean Cobb '18
Kelman Ramírez '18

Post-Revolutionary Cuban Cinema

Joshua DeYoung '18
Caroline Legare '18
Henry Peterson '18

Filming Military Dictatorship

Caroline Buckley '18
Eliza Haynes '18
Molly O'Neill '18
Toshanna Santos '18

Screening Gender

Samuel Stack '18
Mengqi Wu '18

Contemporary Mexican Filmmakers

STUDY ABROAD

12:30 p.m. – 2:30 p.m. Hogan 408(9)

Sophia Jin '15

The Art of Traditional Chinese Calligraphy and Painting

Patricia Feraud '15

Bogan and Skols: Exploring Gender Identity Conflict at St. Hilda's Residential College at Unimelb

Emma Pcolinski '15

Manzoni's Italy: How Plague and a Postponed Marriage Granted an American Access to Italian Culture

Vanessa Reyes-Kranwinkle '15

Spectrum Radio: Feminism Hits St. Andrews Streets

Matthew Boni '15

Pope Francis and his Beloved Homeland

3:00 p.m. – 6:30 p.m.

Hogan 320

Ethnographic Field Methods

Kristen Kelley '15	Barriers to Educational Success: Personal or Structural?
Kebrina Cantave '15	Responsibility and Consequence: A Social and Cultural Observation of the Cycle of Blame within Haitian Society
Kim Tu Dam '15	Photography: A Cultural Documentation Experience
Rebecca Sewell '15	Social Media and the Self
MaryGrace Brogioli '15	Beautifully Buff: Gender and Body Image on a College Track and Field Team
Julia Carrasquel '16	Love Here, Marry There: Can the Cultural Construct of Love Determine Whom We Marry? A View into the Romantic Lives of Transnational College Students Living in America
Melissa Howland '15	Buying a Dress or Buying a Dream?
Vannak Khin '15	Kathoey in Translation: Becoming Queer in Southeast Asian America
Briana Mora '16	Understanding "La Raza": Contemporary Notions of Gender Roles and Chicana Feminism Among Mexican Americans
Kathy Nguyen '15	Contesting the Refugee Label: The Relationship between Personhood in Vietnamese American Women and Mental Illness
Samantha Schuetz '15	Experiences of Autism among Hispanic Families in Worcester
Lindsay Welch '16	Got Activism? The Voice of the Next Generation Then & Now
Matthew Watson '16	Food Activism on a College Campus: A Reflection of Dynamic United States Food Discourse.

Thursday, 23 April

POLITICAL SCIENCE

	3:00 p.m. – 5:30 p.m.	Hogan 304(5)
Julianne Bozzo '15	Wartime Welfare in the U.S.	
Timothy Farrell '15	China and International Norms	
Jennifer Gilbert '15	Environmental Activism/ China	
Patrick Kerr '15	Power Tangled in the Web	
Leila Souhail '15	Democracy in Ethnic Divided Countries	

POLITICAL SCIENCE PI SIGMA ALPHA INDUCTION

	3:00 p.m. – 5:30 p.m.	Hogan 304(5)
Colin J. Beaumont '15	Carmella R. O'Hanlon '16	
William M. Callif '16	Cecelia Plaehn '16	
Brendan M. Collins '16	Timothy Provost '16	
Kellie Gignac '16	Barry S. Quinn '16	
Jack M. Green '16	Timothy J. Rice '16	
Sean R. Griffin '16	Hayward B. Shine '16	
Brick W. C. Kawabata '16	Oswaldo E. Subillaga '16	
Anne T. Lord '16	Robert A.E. Tiro '15	
Andrew K. McNamara '15	Preston S. Turner '16	
Joseph P. Murphy '16		

HISTORY

	3:30 p.m. – 5:30 p.m.	Hogan 408(9)
Fiona R. Hogan '15	A Troublesome Autonomy: The Lady Superior and the Burning of the Ursuline Convent at Charlestown, Massachusetts	
Maura Tracy '15	The Draft Riots of 1863 and the Popular Perceptions of Irish American Women	
Callia L. Cummings '15	Red Power in the American Press	
Camille Santrach '15	Children of the OSE: Jewish Identity and Survival in World War II France	
Kevin Kessler '15	Geronimo in the News and the American Impulse to Empire: 1883-1909	
Thomas Dess '15	More Patriotic Than Public: American Catholic Parochial Schools 1910-1930	

Thursday, 23 April

PHILOSOPHY

3:30 p.m. – 5:30 p.m. Smith Hall 501

Alanna Downing '15

Beyond Solidarity: Toward a Feminism of Radical Difference

Justin Grabowski '15

Navigating the Moral Life

ART HISTORY

The Best in Art History

4:00 p.m. – 5:15 p.m. O'Kane 495

Nicole Landry '16

Piero di Cosimo's *The Discovery of Honey*, c. 1499, at the Worcester Art Museum

**Emma Kuper '18
Ciro Apres '18**

The Artist and his Animals: Two Views of Edward Hicks' *The Peaceable Kingdom*, 1833 at the Worcester Art Museum.

**Gabrielle Grant '17
Julianne Trasatti '15**

J. M. W. Turner: Painter, Visionary, Modernist

James Donahue '18

Outsider / Insider: African American Artists
Jean-Michel Basquiat and Kehinde Wiley

Winning Student Team from *Making the Modern City: Proposal for the Design for the Blackstone River Valley National Heritage Corridor*

BIOLOGICAL PSYCHOLOGY

4:00 p.m. – 7:00 p.m. Smith Labs 154

Keynote:

**Tim W. Yu, M.D., Ph.D.
Assistant Professor of Pediatrics
Children's Hospital, Boston, MA**

"The Genetics of Autism"

Taylor Hendershott '15

Effects of Environmental Enrichment on Spatial Learning and Social Behavior in Mice

John Milner '15

Effects of Aging on Neuronal Complexity in Mice

Christina Carlone '15

Cognitive Control in Abstinent Opiate Use Disorder Patients

Bethanne Bartscherer '15

Symmetrical and Within-Session Resurgence of Previously Extinguished Behaviors in Pigeons

Thuy Uong '15

Artificial Beta-Sheets as a Way to Understand Amyloid Formation

Dan Luu '15

A Behavioral Screen for Novel Mutations Affecting Mechanosensation in *Drosophila melanogaster*

Thursday, 23 April

SPANISH SIGMA DELTA PI INDUCTION

4:30 p.m. – 8:00 p.m.

Hogan Suite B/C

Holy Cross chapter Omicron Epsilon of Sigma Delta Pi, the National Collegiate Hispanic Honor Society, honors its members for 2015:

Mackenzie Arndt '15
Alexander Brandon '15
Elizabeth Carroll '15
Brian Clark '15
Emma Cronin '15
Karalyn Donahue '15
Martin Florimon '15

Fiona Hogan '15
Rachel Kent '15
Elizabeth Knuff '15
Andrew McNamara '15
Katherine Probolus '15
Matthew Regan '15
Trina Villanueva '15

STUDIO ARTS

Senior Major Opening
Reception

5:30 p.m. – 7:00 p.m.

Cantor
Art Gallery

Caitlin Cantor '15
Kim Dam '15
Samantha Granison '15
Erin Quinlevan '15
Chelsea Welsh '15

Emiel Castillo '15
Meridith Foote '15
Tess Hazen '15
Lorena Sferlazza '15
Leica Lucian '15

THEATRE

PICNIC by William Inge

8:00 p.m.
April 23 – 25

Fenwick
Theatre

A handsome young drifter wanders into a small Kansas town on Labor Day weekend and raises the temperature. William Inge's tender, lyrical play about sexual tensions takes place in 1953, early in the conservative Eisenhower era – just before Elvis Presley and James Dean burst through the tamped-down surface of American culture. Steve Vineberg directs an American classic.

\$10 General Public/ \$7 Holy Cross Community

CAST:

Rebekah Dowdell '16
Nicholas Jorgensen '16
Cecilia Wolfe '15
Rose Weiss '18
Julia McCarthy '15
Patrick O'Konis '16

Brian Ott '16
Nicole Williams '15
Emma O'Leary '18
Emma Callahan '18
Phil Losquadro '18

Assistant Lighting Designer:
Chris O'Neil '17

Stage Manager:
Aubrie Kimble '15

Thursday, 23 April

MUSIC

Jazz Ensemble Concert

8:00 p.m.

Brooks Concert
Hall

Saxophone:

Ian Tamburini '17
Rebecca Beaulieu '18
Matt Portu '15
Joe Canedo '16
Daniel Clague '18
Jacob Wronski '18

Trumpets:

Tom Rueter '17
Sam Michelhaugh '18
Josh McDonald

Flute:

Julianne Trasatti '15

Trombones:

Joe DiSabito '16
Chris Fernandez '18

Rhythm Section:

Meaghan McGeary '16 - Piano
Teddy Smith '16 - Bass guitar
Luke Lauchart '16 - Drums

Friday, 24 April

WOMEN'S & GENDER STUDIES

9:00 a.m. – 4:00 p.m. Hogan 408(9)

9:00 a.m. – 10:45 a.m.

Enidia Barros '15	Home Birthing and Midwifery
Rachel Greenberg '15	Benevolent Sexism and Patriarchal Attitudes: Why Holy Cross Needs a Gender Studies Requirement
Ethan Jacques '15	The Gay Male Identity, Masculinization, and Social Networking Sites
Elizabeth Lyman '15	Women Climbing the Ladder in the U.S. Workforce: Opportunities and Challenges
Aaron Jackson '15	English Language Learners, Gender, and the Transition of Immigrant Youth to U.S. Schools
	11:00 a.m. – 1:00 p.m.
Kelly Garcia '15	Discourse on Female Genital Cutting
Jessica Rodriguez '15	Youth Programs: YWCA: Girls' CHOICE
Vannak Khin '15	Kathoey in Translation: Becoming Queer in Southeast Asian America
Kathy Nguyen '15	Contesting the Refugee Label: The Relationship between Personhood in Vietnamese- American Women and Mental Illness
Margaret Wogbeh '15	Female Child Soldiers in Africa
Cecilia Wolfe '15	Gender Fulfillment in Transgender Memoir
	2:00 p.m. – 4:00 p.m.
Vicmarys Brito '15	Comparing Narratives of Masculinity and the Criminalization of Black Male Bodies: Emmet Till and Trevon Martin
Elizabeth Inman '15	Combatting Rape Culture and Supporting Survivors: An Evaluation of the 'Bringing in the Bystander' Program and Online Sexual Assault Resources at Holy Cross
Sarah Paletta '15	Analysis of Participation in Community Service and Community Based Learning by Gender at Holy Cross
Vanessa Reyes Kranwinkel '15	Continental Feminism: Seeking Differences as an Alternative to Equality Feminism
Leslie Peralta '15	Women, Leadership, and Communication
Emilia Sainato '15	Competitive Violence and Hypermasculinity

Friday, 24 April

COLLEGE HONORS

9:30 a.m. – 4:00 p.m.

Hogan 401

9:30 a.m.

Nicholas Barresi '15

Sacrificing Mice: Religious Nature of Scientism

10:00 a.m.

Alden Coffin '15

Making Black Catholics: The Language and Politics of Evangelization

10:30 a.m.

Kate Probolus '15

History Blindfolded: Commemoration and Forgetting in Post-Dictatorship Chile

11:00 a.m.

Matthew Dunn '15

The "Gun Nut" Perspective: Organized Responses to New Gun Control Legislation

11:30 a.m.

Meghan Casey '15

Social Change in Female Genital Cutting: Where Have We Been and Where Are We Going?

12:00 p.m.

Elizabeth Inman '15

Combating Rape Culture and Supporting Survivors: An Evaluation of the Bring in the Bystander™ Program and Online Sexual Assault Resources at Holy Cross

12:30 p.m.

Dominick Vogus '15

An Examination of Social Motor Coordination Functions in Patients with Schizophrenia

1:00 p.m.

Christina Carlone '15

Cognitive Control in Abstinent Opiate Use Disorder Patients

2:00 p.m.

Colby Baker '15

...Where Virtue Guides Not...
for Tenor and Chamber Ensemble

2:30 p.m.

Frederick Doyle '15

Identity and the Absence of Authority in *Hamlet* and *Infinite Jest*

3:00 p.m.

Michael Dunbar '15

From *Gerontius* to "Gerontion": Religious Crisis in Cardinal Newman, Edward Elgar and T. S. Eliot

3:30 p.m.

Lorena Sferlazza '15

Sin, Penance and the Wound: An Artistic Exploration of Human Pain

Friday, 24 April

LATIN AMERICAN AND LATINO STUDIES

11:00 a.m. – 12:30 p.m. Hogan 406(7)

Jonathan Formichella '15

"For Water and for Life" – Social Mobilization for Water Rights in Cochabamba, Bolivia

Joseph Greaney '17

Indigenous Rights & the Bio Bio Dam in Chile

Katherine Probolus '15

Story Blindfolded: Commemoration and Forgetting in Post-Dictatorship Chile

Briana Mora '16

Machismo, Marianismo, and the Color of Beauty: Latin American Beauty Pageants

ENGLISH

11:00 a.m. – 3:45 p.m. Hogan 304(5)

Panel 1: Three Shakespeares (1 hour)

Cate McCaffery '15

Silence as Agency in William Shakespeare's *Measure for Measure*

Emily Cross '15

William Shakespeare in the Oval Office: Ronald Reagan, William Jefferson Clinton, and the Rhetorical Power of Quotations

Frederick Doyle '15

Irony and the Absence of Authority in William Shakespeare's *Hamlet* and David Foster Wallace's *Infinite Jest*

Break

Panel 2: Faith, Influence and the Personal in Poetry (1 hour)

James Cerra '15

The Battlegrounds of the Faithful: Literary Gardens in the 17th-Century English Renaissance

Burke Smith '15

Self-Representation and the Fall: Poetic Identity in John Milton, William Wordsworth, and John Keats

Michael Dunbar '15

From *Gerontius* to "Gerontion": Religious Crisis in Cardinal Newman, Edward Elgar, and T. S. Eliot

Break

Friday, 24 April

ENGLISH cont.

3: Misfit Fictions (1 hour 15 minutes)

Michael Casey '15

George MacDonald's *Phantastes*: Context for a Critique of the Christian Imagination in Late Romanticism and Early Christian Humanism

Annie Williams '15

A Common Pool of Feeling: Unhappiness in Iris Murdoch's *The Sea, The Sea*

Alexandra Connelly '15

Stitches

Nina Batt '15

Hidden in Plain Sight: Rhetorical Strategies within Deaf (Print) Literature and the Exclusion of the Hearing Audience

SIGMA TAU DELTA INDUCTION AND ENGLISH HONORS PROGRAM CELEBRATION

4:00 p.m. – 5:00 p.m.

Hogan 304(5)

Karl A. Beckman '16

Andrew C. Brady '16

Emily R. Conn '16

Alison C. Denton '16

Joseph A. Dudley '16

Julia C. Dunn '16

Emily C. Dyer '16

Amina V.O. Gomez '16

Megan A. Greineder '16

Emily M. Iannaconi '17

MaryAnn C. LaShoto '16

Caroline Q. Marks '16

Megan R. Montiverdi '16

Mallaigh K. Nolan '16

Sean A. O'Rourke '16

Sarah N. Price '16

Sydney-Zeferina G. Pugliares '16

Lauren J. Roberts '16

Anna O. Ryan '16

Hayley K. Schneider '16

Paige A. Tortorelli '16

Kailey E. Verni '16

Margaret M. Walsh '16

ECONOMICS AND ACCOUNTING

1:00 p.m. – 3:30 p.m.

Hogan Suite B/C

1:00 p.m.

Madison Burns '15

Evaluating New Tuition Payment Plans: A Closer Look at Michigan's Proposal

1:30 p.m.

Timothy Beekman '15

Corporate Valuation: An Analysis of Discounted Cash Flows and Comparable Companies

2:00 p.m.

Andrea Thompson '15

What is the Impact of Academic Success on Youth Criminal Activity?

Friday, 24 April

ECONOMICS AND ACCOUNTING cont.

2:30 p.m.

Jonathan Pillon '15

Illegal Downloads: How an Artist's Popularity Affects How Often Their Music Is Pirated

3:00 p.m.

Edward Ryan '15

A New Look at Risk Correlates of Violence Against Civilians in Africa

CLASSICS

2:00 p.m. – 5:00 p.m.

Hogan 406(7)

Holy Cross Manuscripts, Inscriptions and Documents Club

Claude Hanley '18

Steven Merola '16

Stephanie Neville '16

Tracing the Scribal Tradition in Manuscripts of Jerone's *Chronicle*

Porter Weeks '15

Blake Werab '17

Investigation of the Table of Chords in Manuscripts of Ptolemy's *Almagest*

Mary Patrice Hamilton '17

The Purpose and Construction of Diagrams in Proclus' *Commentary on Euclid, Book One*

Rebecca Finnigan '15

An Investigation into the Mathematical Diagrams of Euclid Using Primary Sources

Michael Kelley '18

Corey Scannell '18

The Only Extant Manuscript Copy of Apollonius Sophistes' *Homeric Lexicon*

Charlie Schufreider '17

Alex Simrell '16

Melody Wauke '17

Observations in *Iliad* Books 14 and 15 in the Venetus A Manuscript

Andrew Boudon '15

Changes in Ancient Greek Divinity after the Lamian War

Brian Clark '15

Retellings of the *Iliad*

Nikolas Churik '15

A Study of Iliadic Paraphrase

Friday, 24 April

CHEMISTRY AND BIOCHEMISTRY

2:00 p.m. – 4:25 p.m. Haberlin 219

***Biochemistry Concentration**

2:00 p.m.
Rob Caldera* '15

Optimization of Novel Mammalian Cell Transfection Reagents

2:15 p.m.
Stephanie Haddad* '15

The Effects of Surface Growth Conditions on the Cytoskeletal Morphology of Mammalian Cells

2:30 p.m.
Rick Guerra* '15

Identification of Novel Domains of APOBEC3G Involved in HIV-1 Restriction

2:45 p.m.
Zachary Giaccone* '15

Peptide Bond Cleavage through Asparagine Cyclization

3:00 p.m.
Nicolle Siegart* '15

Protein Splicing of a Temperature-Dependent Intein from an Extreme Thermophile

3:15 p.m.
Andrew Mullin* '15

Nucleating the Misfolding of Alpha-Synuclein

3:30 p.m.

Break

3:40 p.m.
Mario Jaramillo '15

Structure and Activity of Inteins from *Pyrococcus abyssi* and *Pyrococcus horikoshii*

3:55 p.m.
Julia Lam '15

Concentration Effects on Beta Sheet Formation

4:10 p.m.
Raymond Paranal '15

Secondary and Tertiary Structural Changes in Poly-L-Lysine

CHEMISTRY

3:00 p.m. - 4:15 p.m. Smith Labs 154

3:00 p.m.
Alexis Dame '16

Protecting Groups for Phosphates

3:10 p.m.
Marshall Lougee '16

Catalytic Asymmetric Phosphorylation: Synthesis of Fingolimod-Phosphate

Friday, 24 April

CHEMISTRY cont.

3:20 p.m. Victoria Lee '15	Synthesis of Peptide Isosteres
3:35 p.m. Subbarao Yalamanchili '16	Efforts Toward the Synthesis of Crispine A
3:45 p.m. Mary Maliszewski '15	Synthetic Studies on Cis-Sylvaticin
4:00p.m. Justin Markowski '15	Synthetic Studies on Cis-Sylvaticin
3:00p.m. – 4:20 p.m. Swords 359	
3:00 p.m. Dipna Patel '15	Stability of Alkanethiol Monolayers on Nanoporous Gold
3:15 p.m. Christine Chevalier '16	Diazonium Derived Nitrobenzene Layers on Nanoporous Gold
3:25 p.m. Wendell Weeks '15	Quantitative Determination of Acetaminophen by Cyclic Voltammetry
3:35 p.m. Michael Bender '15	Using the Mannich Condensation to Synthesize New Phosphine Containing Ligands
3:50 p.m. Kira Niederhoffer '16	Electronic Effects of Substituted Pyridines on Rhenium Carbonyl Complexes
4:05 p.m. Rian Zuccarino-Crowe '15	Synthesis of Phosphorylated Amino Phenol Ligands
3:00 p.m. – 4:00 p.m. Swords 328	
3:00 p.m. Ami Neepser '15	Rhenium Iodo Compounds
3:15 p.m. Stephanie Tsui '15	Novel Rhenium Compounds with Diimino Isoindoline
3:30 p.m. Gopal Yalla '15	Optimization of Chromatogram Alignment Using A Class Separability Criterion
3:45 p.m. Daniel Harrington '15	Analysis of Arsenic in Raw and Instant Rice

Friday, 24 April

SOCIOLOGY/ANTHROPOLOGY

3:00 p.m. – 5:00 p.m. Hogan 320

Sociology and Anthropology Department Honors

Miriam Ikero '15

Race Matters: Health Perceptions for Women of Color

Jacqueline Saltarelli '15

Service of Sarcasm: Emotional Labor and Autonomy in an Unique Restaurant Setting

Samantha Schuetz '15

Experiences of Autism among Hispanic Families in Worcester

Amanda Williams '15

Transforming Parenting: Parenting Trans and Cisgender Children Together

FRENCH PI DELTA PHI INDUCTION

3:30 p.m. – 6:00 p.m. Stein 526

Lambda Beta Chapter: 2015 Induction

Erin Clifford '15

Karen Mills '15

Bridget Connelly '15

Sinead O'Connor '17

Mary Cunningham '17

Thomas Vignati '17

Saturday, 25 April

MONTSERRAT: DIVINE CLUSTER

9:30 a.m. – 12:00 p.m. Hogan 402(3)

"Faith and Response"

Michelle Zeng '18
Kathryn Watson '18

A Comparison of Two Outreach Programs of St. John's Parish, Worcester, MA

Lucca Eloy '18
Caitlin O'Connell '18
Analhi Lizarraga '18
Kathleen Schlegel '18

The Effectiveness of the Ascension After School Program on Vernon Hill, Worcester, MA

Charles Callif '18
Kati-Li Walker '18
Casey Rooney '18

A Closer Look at the Community of Vernon Hill, Worcester, MA

Jack Bertini '18
Vanessa Costa '18
Megan Nemeth '18

The Role of Faith at St. John's Parish, Worcester, MA

Benjamin Sardinia '18
Nicholas Chevalier '18
Christopher Drebot '18
Sean Fahy '18

Urban Hunger and the St. Francis Xavier Center at St. John's Parish, Worcester, MA

COLLEGE HONORS

10:00 a.m. – 12:30 p.m. Hogan 401

10:00 a.m.
Chase Padusniak '15

The Language of the Idol and the Icon: Showing Julian of Norwich and Her Objects

10:30 a.m.
Lindsey Nemshick '15

The Veiled Power of the Female Voice in Homer's Odyssey

11:00 a.m.
Timothy Nowak '15

Resisting the Objectification of Reality: Poetry and Truth

11:30 a.m.
Amanda Fyles '15

Synthetic Studies on the C1-C15 Fragment of (+)- sorangicin A

12:00 p.m.
Michael Bender '15

Developing an Earth-Abundant Catalyst Capable of Completely Dehydrogenating Methanol

12:30 p.m.

RECEPTION FOR STUDENTS IN COLLEGE HONORS, THEIR GUESTS AND THEIR FACULTY ADVISORS

Saturday, 25 April

MUSIC

4:00 p.m.

Brooks Concert
Hall

Senior Recital

Joe Dalton '15

CHEMISTRY

April 17, 2015

3:00 p.m. – 4:15 p.m. Smith Labs 154

3:00 p.m.
Joanna Chen '15

Reactions of Ketenimines

3:15 p.m.
Luke Lauchert '16

Copper-Catalyzed Multicomponent Reactions

3:25 p.m.
Shelia Namirembe '15

Novel Approach to the Synthesis of Beta-Lactams

3:40 p.m.
Gregory Tsougranis '16

Copper-Catalyzed Multicomponent Reactions

3:50 p.m.
Martin Brown '16

Synthesis of Substituted Hydropyrans by Radical Cyclization

4:00 p.m.
Amanda Fyles '15

Efforts Toward the Synthesis of the C1-C15 Fragment of Sorangicin A

3:00 p.m. – 4:00 p.m. Swords 359

3:00 p.m.
Katherine Blanco '16

Scanning Tunneling Microscopy Studies of Coadsorbed Surface Systems

3:10 p.m.
Brian Dougherty '16

Scanning Tunneling Microscopy Studies of Coadsorbed Surface Systems

3:20 p.m.
Joseph Fusco '15

Scanning Tunneling Microscopy Studies of Coadsorbed Surface Systems

3:30 p.m.
Nicole Landry '16

Progress Towards Bifunctional Ethylene Diamine Complexes

3:40 p.m.
Robert Chevalier '16

Packing Density and Binding Strength of Alkanethiols on Nanoporous Gold

3:50 p.m.
Manyu Ma '16

Synthesis and Electrochemical Reactivity of Bare and Capped Platinum Nanoparticle

CHEMISTRY cont.

	3:00 p.m. – 4:10 p.m.	Swords 328
3:00 p.m. Colby Rondeau '16		Rhenium Compounds with Hybrid Diimino Isoindoline/Amino Pyridine Ligands
3:10 p.m. Sarah Valente '16		New Rhenium Diimine Compounds
3:20 p.m. Lauren Yacobucci '16		New Rhenium Compounds with Hybrid Diimino Isoindoline/Aromatic Amine Ligands
3:30 p.m. Michael Comiskey '16		Chemical Fingerprinting: A Chemometric Analysis of FAMES in Biodiesel Blends
3:40 p.m. Colette Houssan '15		Exploring LC Conditions for Optimal Separation of Amine Based Medicines
3:50 p.m. William Bowers '15		Analysis of Metals in Infant Formula
4:00 p.m. Christopher Jayne '15		Analysis of Arsenic in American Rice
	3:00 p.m. – 4:20 p.m.	Haberlin 219
3:00 p.m. Michael Koulopoulos '16		A Biophysical Analysis of Asp Cyclization Coupled to Peptide Bond Cleavage
3:10 p.m. Anthony Yakely '16		Relating Intein Flexibility to the Temperature Dependence of Activity
3:20 p.m. Benjamin Chartier '16		Beta Sheet Formation in Alanine Based Peptides
3:30 p.m. Mary Stuckey '16		The Structure of Alpha-Synuclein Peptides
3:40 p.m. Erik Schneider '16		A Molecular Zipper: Optimizing Our Synthetic Beta Sheets
3:50 p.m. Eric Nguyen '15		Vancomycin Receptor Catalysis
4:05 p.m. Thuy Uong '15		Hydrogen Bonding and Aggregation of Artificial Beta-Sheets

GERMAN

May 5, 2015

"Maifest"

12:00 p.m. – 1:30 p.m. Stein 526

GERMAN DELTA PHI ALPHA INDUCTION

12:00 p.m. – 1:30 p.m. Stein 526

Nikolas Churik '15

Timothy Konola '15

Timothy Nowak '15

Chase Patusniak '15

Elias Quijada Link '17

Patrick Titterton '15