

# Academic Initiative Awards Spring 2017

## Curriculum Projects

Facilitating Virtual Language Immersion for Second Language Classes\*  
*Carolina Barrera-Tobon, Modern Languages*

Screencasting Problem Solutions for MAT 147-148-149  
*Bill Butterworth, Mathematical Sciences*

Lightboards for Online Business Calculus  
*Bill Chin, Mathematical Sciences*

Encore Entrepreneurship: A Pilot Program  
*Marty Martin, Management and Entrepreneurship*

The Modern Marketing Lab: Blending Classroom Learning with Practical Application  
*Jim Mourey, Marketing*

Expanding the Arts Leadership MFA to the School of Music  
*Alan Salzenstein, Music*

Online Executive track in Refugee and Forced Migration Studies  
*Shaljia Sharma, International Studies*

Online Minor in Professional Writing  
*Pete Vandenberg, WRD*

Investigating Graduate-Level Curricular Initiatives for and with Chicago Nonprofit Organizations  
*Pete Vandenberg, WRD; Lisa Dush, WRD; John Mazzeo, Public Service; Noam Ostrander, Social Work; Tracey Mabrey, Sociology; & Robert Stokes, Public Service*

## Research and Creative Activities Projects

Short Film: "Oh Baby!"  
*Meghann Artes, Cinematic Arts*

Explaining Community Choice Aggregation  
*Hugh Bartling, Public Services*

Translating Newberry Library French Revolution Collection Pamphlets for Digitization  
*Pascale-Anne Brault, Modern Languages*

A Software Framework for Human-in-the-Loop Machine Learning  
*Eli Brown, Computing*

An Examination of Barriers to Housing Among Individuals with Extensive Shelter Histories: Provider Perspectives  
*Molly Brown, Psychology*

Music and Public Space in Chicago  
*Kate Brucher, Music*

The Radiocarbon Dating Initiative of the Avdat in Late Antiquity Project  
*Scott Bucking, History*

Reading Chicago Reading  
*Robin Burke, Computing*

Bridge between Combinatorics and Representation Theory  
*Andrew Carroll, Mathematical Sciences*

Take Back the Halls: Ending Violence in Relationships and Schools  
*Beth Catlett, Women's and Gender Studies*

The Classification of Triangular Deltoids  
*Stefan Catoiu, Mathematical Sciences*

Electronic Word-of-Mouth Antecedents in Chinese Travelers on WeChat  
*Shu-Chuan Chu, Communication*

"Oriental Peaceful Penetration" and Othering the Household Object in Gertrude Stein's "Tender Buttons"  
*June Hee Chung, English*

Comics on the Margins  
*Blair Davis, Communication*

Original Composition for International Clarinet Association Clarinet Fest 2017  
*Julie Deroche, Music & Seung-Won Oh, Music*

Fit for Life Research Study  
*Sydney Dillard, Communication*

Maria Stewart, Black Womanhood and Radical Pamphleteering  
*Marcy Dinius, English*

Decision Making in Situations of Uncertainty  
*Ning Du, Accountancy*

Stockyard Institute Exhibit at Hyde Park Art Center  
*Jim Duignan, Education*

Iraq History Project  
*Chris Einhoff, Public Service*

Feature Film: "Changing the Debate"  
*Ron Eltanal, Cinematic Arts*

Otok Zoon Politicon: A Civic Education Game for Croatian Teens  
*Dick Farkas, Political Science & Doris Rusch, CDM School of Design*

Improving Communication, Coordination, and Health Outcomes for School-Based Health Centers in Chicago  
*Elissa Foster, Communication & Jay Baglia, Communication*

Shadowing as a Research Technique in Healthcare: Connecting with a Patient Perspective  
*Andrew Gallan, Marketing*

Extrapolating Influence: Mapping the Histories of Artemisia and ARC Galleries, Chicago (1973-2003)  
*Joanna Gardner-Huggett, History of Art & Architecture*

Efficient Algorithms for Minimum Obstacle Removal  
*Jonathan Gemmel, Computing & Iyad Kanj, Computing*

Meiosis in Fruit Flies  
*Bill Gilliland, Biology*

Converting the Missionary: Mary Mills Patrick and the Constantinople Women's College  
*Carolyn Goffman, English*

Emotion Regulatory Mechanisms Involved in Culture-Based Coping with Death Awareness  
*Verena Graupmann, Psychology*

Building Positive Multidisciplinary Relationships within Sexual Assault Response Teams  
*Megan Greeson, Psychology*

People's Guide to Chicago  
*Euan Hague, Geography & Larry Bennett, Political Science*

Preventing Web Attacks: Split HTML  
*Karen Heart, Computing*

Jewish Community Life in Croatia  
*Nila Hofmann, Anthropology*

Geospatial Health: Mining GPS Data toward Understanding Health Implications of Activity Space  
*Sungsoon Hwang, Geography*

Bio-prospecting or Bio-piracy?: Intellectual Property Rights, Innovation, Indigenous Communities

*Kathryn Ibata-Arens, Political Science*

Improving Teaching and Learning in the Global Classroom

*Li Jin, Modern Languages & Jason Schneider, WRD*

Characterizing Problems that are as Hard as Satisfiability

*Iyad Kanj, Computing*

Feature Film: "Oblivion Verses"

*Alireza Khatami, Cinematic Arts*

Russian Theatre Directors, 1917-1940; How to Rehearse a Play

*Damon Kiely, Performance*

The Virtual Asian American Art Museum "Michiko Itatani: Painting the Cosmic Narrative" Module

*Laura Kina, Art, Media, and Design*

A Qualitative Case Study of the Impact of Metacognitive Practice on Student Retention in STEM

*Mary Bridget Kustusich, Physics*

Towards a Molecular Movie of Parkinson's Disease

*Eric Landahl, Physics*

Evaluation of Physical Health and Mental Health Literacy of Korean Americans

*Young-Me Lee, Nursing*

Investigations in Random Matrix Theory

*Karl Kiechty, Mathematical Sciences*

DBBuild: Tools for Conducting Reproducible Analyses in Urban Data Infrastructure

*Tanu Malik, Computing*

The Effects of Valuation and Instrument Complexity on the Preparation and Assessment of the Reasonableness of Fair Value Measurements for Complex Financial Instruments

*Stephani Mason, Accountancy*

Evaluating YMCA Early Learning Program

*Jennifer Mata-McMahon, Teacher Education*

The Center for Robust Decision-making in Climate and Economic Policy

*Nathan Mattson, CDM School of Design*

Career Counseling with Individuals Experiencing Homelessness in Chicago

*Rebecca Michel, Psychology*

Proboscis Theatre Company  
*Jeff Mills*

Diversity in Personalized Recommendation  
*Bamshad Mobasher, Computing*

Terror, Terrorism, and Terrorist Organizations: Understanding the Threat  
*Tom Mockaitis, History*

DePaul - YMCA Contextual Analysis Project  
*Karen Monkman, Educational Policy Studies and Research*

What's in your Soil? Characterizing and Mapping Spatial Patterns of Residential Soil Quality Indicators in Four Northside Chicago Neighborhoods  
*Jim Montgomery, Environmental Science*

Happily Ever After: Black Women, Romance, and Racial Uplift  
*Julie Moody-Freeman, African and Black Diaspora*

Translation of Jacques Derrida's "Life Death"  
*Michael Naas, Philosophy*

Designing a Sociotechnical System to Enable and Enhance Educator Roles to Support Youth Learning  
*Denise Nacu, Computing*

Plant Matters  
*Don Opitz, School for New Learning*

Sounds Like a Mystery: 20th Century Broadcasts for 21st Century Podcasters  
*Roxanne Owens, Teacher Education*

Justice and Racial Reconciliation in Charlotte  
*Scott Paeth, Religious Studies*

Children's Language Use and Development in a Spanish Immersion Early Education Classroom  
*Sung Park-Johnson, Leadership, Language, and Curriculum & Carolina Barrera-Tobon, Modern Languages*

The Exact Stretch Factor of Delaunay Triangulations  
*Ljubomir Perkovic, Computing*

HAB APEX: High-Altitude Balloon Air Pollution Experiment  
*Mark Potosnak, Environmental Science*

Human-Computer Interaction in Practice: Support for Pedagogy  
*Cynthia Putnam, Computing*

Medical Image Interpretation using Smart Computer-Aided Diagnosis  
*Daniela Raicu, Computing*

Documentary Feature Film: "Language of Opportunity"  
*Anuradha Rana, Cinematic Arts*

Identifying Security Breaches in a Hacked Database  
*Alexander Rasin, Computing*

Nanobot: Operation Pacific Vortex Mobile Game  
*B. Rich, CDM School of Design*

"Gamiconocron" Short Film  
*Brad Riddell, Cinematic Arts*

Indexing Translation of Derrida's Death Penalty Seminar  
*Elizabeth Rottenberg, Philosophy*

What Makes an Electronic Health Record System Effective: An Empirical Study of Patients' Patterns of Use  
*Hamed Qahri Saremi, Computing*

Addressing Health Disparities in Chicago through Collaboration with Health Foundations  
*Daniel Schober, Public Health*

Revolutionary Time: On Time and Sexual Difference in Julia Kristeva and Luce Irigaray  
*Fanny Soderback, Philosophy*

Structural Studies of Glycosylated and Deglycosylated Immunoglobulin E  
*Catherine Southern, Chemistry*

Building an Intelligent Interview Assistant System  
*Adam Steele*

"A Place to Call Home" - Homelessness in America  
*Susanne Suffredin, Cinematic Arts; Dana Kupper, Cinematic Arts; & Joanne Zielinski, Cinematic Arts*

The Archaeology of Montagu Cave, South Africa: The Keller Artefact Collection and its Association to the Middle Stone Age Sequence  
*Alexandra Sumner, Anthropology*

Authoritarianism and the Evolution of Electoral Politics in Western Europe  
*Erik Tillman, Political Science*

Automatic Summarization of Privacy Policies Using Natural Language Processing and Machine Learning  
*Noriko Tomuro, Computing*

A New Approach to the Synthesis of Neuroactive Azepanes and their Derivatives  
*Paul Vadola, Chemistry*

The Role of Competitive Actions on Fashion Social Network  
*David Wang, Accountancy*

Death of a Flyboy  
*James Wolfinger, Education & History*

Assessing Spatial Disparities in Urban Green Spaces and Developing Community-based GIS Applications in Chicago  
*Byunyun Yang, Geography*

System Justification  
*Jennifer Zimmerman, Psychology*