SEMI-ANNUAL

THE HONORS

AND

UNDERGRADUATE
RESEARCH SCHOLARS
POSTER PRESENTATION

WEDNESDAY, MAY 1, 2019

11:00AM - 4:00PM LIBRARY BUILDING

GROUND & FIRST FLOORS

THURSDAY, MAY 2, 2019

10:00AM - 3:00PM LIBRARY BUILDING GROUND & FIRST FLOORS

AWARDS CEREMONY

BEGINS AT 12:30PM LIBRARY BUILDING AMPHITHEATER

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MAY 2, 2019 · 12:30 PM LIBRARY BUILDING AMPHITHEATER

Greetings

Russell K. Hotzler

President

Bonne August

Provost and Vice President for Academic Affairs

Pamela Brown

Associate Provost

Recognition of Undergraduate Researchers

Honors Scholars

Reneta D. Lansiquot

CUNY Research Scholars

Hamidreza Norouzi

Emerging Scholars

Hamidreza Norouzi

LSAMP Scholars

Hamidreza Norouzi

Grant-Funded Projects

Jean Hillstrom

Special Projects

Jean Hillstrom

Best Poster Awards

Jean Hillstrom



Honors Scholars Program Orientation February 7, 2019

HONORS IN A REGULAR COURSE

How Has Photography Caused Social Reform?

Jefry Aguirre Prof. Tamsin Green ARTH 1100: History &

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What Does It Mean to be Human?

Jefry Aguirre Prof. Laureen Park

ENG 1773ID: Weird Science

Body Positivity in the Fashion Industry

Amber Alicea Prof. Denise Sutton

BUF 1101: Introduction to the Fashion Industry

Requirements for the Installation & Implementation of HBase (NoSQL Data Store)

Nahid Arman

Prof. Elizabeth Milonas CST 4724: Data on the Web

Comparison of Relational & Non-Relational Structures

Nahid Arman

Prof. Elizabeth Milonas CST 4724: Data on the Web

Hurricanes: Predication, Warning & Consequences

Ilhom Bakiyev

Profs. Vitaliy Dorogan & Howard Sisco

PHYS 1433: General Physics I Lab

Implication of the Impact of Local Weather on Heat Losses through Building Entrance Doors

Jelani Barro

Prof. Mahbub Chowdhury

FMGT 4850: Mechanical Systems

Operation/Maintenance II

How Psoriasis can Limit your Quality of Life

Afsana Begum

Prof. Niloufar Haque

BIO 2311: Human Anatomy &

Physiology I Lab

Kodi Media Center

Sajal Bhargava

Prof. Mark Nelson

CET 4811: Capstone Design Project

Hurricanes: Predication, Warning & Consequences

Christina Bhawanidin

Profs. Zheng Zhu & Howard Sisco

COM 1332: Introduction to

Human Communication

What Does It Mean to be Human?

Wesley Brown

Prof. Laureen Park

ENG 1773ID: Weird Science

Hyperbolic Functions

Adam Cancel

Prof. Joel Greenstein

MAT 1475: Calculus I

The Impact of Technology on the Paralegal & Legal Professions

Marisol Correa

Prof. Marissa Moran

LAW 4704: Legal Technology

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Savan De Jesus

Prof. Laureen Park

ENG 1773ID: Weird Science

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Meryem El Baz Prof. Boyan Kostadinov

MAT 4788: Financial Risk Modeling

Experimental Learning in Beverage Production

Bannesa Espinal Cruz Prof. Karen Goodlad HMGT 2402: Wines &

Beverage Management

Real-World Applications of Precalculus: Nuclear Half-Life & Carbon-14 Dating

Patrick Garana Prof. Suman Ganguli MAT 1375: Precalculus

Cube Stacking Problem

Saugat Ghimire Prof. Satyanand Singh

MAT 2540: Discrete Structure II

Analyzing Exponential Models of US Population Growth

Enrique Gomes Prof. Suman Ganguli MAT 1375: Precalculus

Unaffordable Healthcare Crisis

Mehrab Hossain Prof. Niloufar Haque BIO 2311: Human Anatomy & Physiology I Lab



Earth's Holistic "Pharmacy"

Kristine Jallim Prof. Niloufar Haque

BIO 2311: Human Anatomy & Physiology I Lab

Analysis of the Effects of Online Homework on Student Performance in College Algebra & Trigonometry

Dahiana Jimenez Prof. Boyan Kostadinov

MAT 4788: Financial Risk Modeling

How a Growing Aging Population is being Affected by the Lack of Geriatricians

Estarlin Jimenez Prof. Daniel Boudon

SOC 1101: Elements of Sociology

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Gabrielle Langston Prof. Boyan Kostadinov

MAT 4788: Financial Risk Modeling

Designing a Brief Survey & Analysis of Undergraduate Research at City Tech

Stephanie Lovett Prof. Lin Zhou

MAT 2572: Mathematical Statistics I

Resilient & Sustainable Kalinago

Elena Malysheva Prof. Illya Azaroff

ARCH 3551: Sustainability:

History & Practice

A Virtual Future World

Aleann McIntyre Prof. Laureen Park

ENG 1773ID: Weird Science

Virtual Reality: Redefining Humanity

Danielle Mclean Prof. Laureen Park

ENG 1773ID: Weird Science

Cellular & Hormonal Changes on Long Term High-Fat Diet Exposure in Mice

Bushra Miah

Prof. Alberto Martinez

CHEM 1210: General Chemistry II

Poster Board for 3D Unity Project

Joshua Neuman

Prof. Laureen Park

ENG 1773ID: Weird Science

Cellular & Hormonal Changes on Long Term High-Fat Diet Exposure in Mice

Viktoriia Olshana Prof. Isaac Barjis BIO 3524: Nutrition

What Does It Mean to be Human?

Natasha Phillips

Prof. Laureen Park

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How Gender Diversity & Racial Issues Affect The Legal Profession

Juvanie Piquant
Prof. Jerome Greenberg

LAW 1201: Legal Research I

Prosthetic Hand Using Gear System

Olivert Saldivia

Prof. Andy Zhang

MECH 3510: Advanced Solid Modeling II

Effects of the Cold War on Cuba

Tracey Scott

Prof. Kyle Cuordileone

HIS 3402ID: Topics in Modern

World History since 1945

Cube Stacking Problem

Ibrahima Sow

Prof. Satyanand Singh

MAT 2540: Discrete Structure II



Cultivating Fine Dining Etiquette March 11, 2019

Cross Laminated Timber (CLT), The Silent Material Competing in the High Rise Building Race

Sebastian Tamayo Prof. Sigurd Stegmaier

CMCE 1114: Materials & Methods of

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Hostile Work Environment

Cheryl Thomas Prof. Ikiesha Al-Shabazz

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CUNY RESEARCH SCHOLARS

Schematic/3D Printing of Bluetooth Speaker

Adewale Adegbemigun Prof. Sebastian Morales

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Carlos Aguayza Prof. Boris Gelman

Study of Jansen Linkage for Robotic Applications

Rafaela Alba Prof. Angran Xiao

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Fuxin Bao Prof. Daeho Kang

3D Printed Computer Circuits

Sultana Begum Prof. Farrukh Zia

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Adam Brzozowski Prof. Daeho Kang

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Bill Chinskul Prof. Geralda Shields

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Angel De La Vega Prof. Tamrah Cunningham

Voice Controlled Augmented Reality

Juan Estrella

Prof. Bonito Mondoza

Prof. Benito Mendoza

Mechanical Characterization of Nano-material Doped Polydimethylsiloxane (PDMS)

Deldrys Gomez Reynoso Prof. Ozlem Yasar

Entertainment Connection

Conny Gordon Prof. Tamrah Cunningham

A Comparative Study of Incidence of Domestic Violence between Immigrant & Non-immigrant Women in USA

Nadia Gordon Prof. Urmi Gosh-Dastidar

Pitch Labelling of Corpus of Guitar Sounds For Training a Neural Net Pitch Classifier

Arash Izadi Prof. Adam Wilson

Gut Microbiome Analysis

Daniella Labarbera Prof. Jeremy Seto

Degradation Rate Calculations of PEGDA

Mitchell Landero Prof. Ozlem Yasar

RoboQueen 3D

Jensy Maldonado Prof. Farrukh Zia

Stock Market Prediction with Neural Network

Dominika Markowska-Desvallons Prof. Marcos Pinto

Advanced Composites for Structural & Biomedical Applications

Saminur Miah Prof. Akm S. Rahman

Environmental & Energy Sustainable City

Patrice Prosper Prof. Masato Nakamura

Smart Sprinkler System

Galib Rahman Prof. Xiaohai Li

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Raymond Sandoval Prof. Daeho Kang

Interchangeable All Fiber-Based Passive VOA/VOC System

Andrei Statchevschi Prof. Muhammad Ummy

Design & Fabrication of UV Light Holder for Photolithography

Szewai Michael Tang Prof. Ozlem Yasar

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Syeda Tonni Prof. Farrukh Zia

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Edsel Torres Prof. Tamrah Cunningham

Remote Control Car

Fox Williams Prof. Zhou Zhang

Solar Responsive Facade in an Urban Environment

Cheriyah Wilmot Prof. Phillip Ross Anzalone

Kinetic Study of Amine Cured Epoxy Resins

Xiaona Zhou Prof. Urmi Ghosh-Dastidar

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Nazrin Akbarova Prof. Susan Davide

Exploration of the Lessons Learned by Students Attending Peer-led Workshops

Fahmida Akhter Profs. Armando Cosme & Nadia Kennedy

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Haddi Al Jazzaf Prof. Marcos Pinto

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Yaa Andoh Prof. Alberto Martinez



Data Analysis & Visualization of Heart Disease Patient Data

Afis Animashaun Prof. Boyan Kostadinov

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Rabia Arif Prof. Farrukh Zia

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Diego Atauchi Prof. Christopher Swift

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Nicole Benmoshe Prof. Jeremy Seto

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Christina Bhawanidin Prof. Howard Sisco

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Julie Bradford Prof. Sara Woolley

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Adderly Brito Prof. Marcos Pinto

What is Celiac Disease & how is it Affected by Gluten Free Diet?

Stephanie Cabrera Prof. Liana Tsenova

Web Application for a Daily Payment Labor

Marlon Cameron Prof. Marcos Pinto

Fortifying Lower Manhattan's Shoreline

Krystel Campuzano Prof. Elizabeth Parks

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Travis Caraballo Prof. Sanjoy Chakraborty

Modular Lithium Ion Battery Pack from Recycled 18650 Cells

Mason Chen Prof. Angran Xiao

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Ryan Chen Profs. Armando Cosme & Nadia Kennedy

3D Printed Smart Mobile Robot

Bingfang Chen Prof. Farrukh Zia

Enhanced Security System with Image Feature Identification

Musharrat Chowdhury Prof. Farrukh Zia

3D Structures of Biological Nature

Daniel Conners Prof. Tatiana Voza

The Impact of Technology on the Paralegal & Legal Profession

Marisol Correa Prof. Marissa Moran

Know Your Body

Maria De Leon Prof. Niloufar Haque

Hiding in the Light: An Investigation of Galactic Halos

Ana Maria Delgado Prof. Ari Maller

5G Technology/Network

Ahmed Dembele Prof. Asm Delowar Hossain

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Demba Diop Prof. Daeho Kang

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Emmanuel Dubuisson Prof. Ralph Alcendor

Data Analysis & Visualization of Traffic Mortality in the USA

Meryem El Baz Prof. Boyan Kostadinov

Redefining Gender in Classroom Discussions

Eleazer Espinosa Jr Prof. Alyssa Dana Adomaitis

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Solangie Falla Crespo Prof. Christopher Swift

The Effect of Urban Island on Society

Tameeka Forbes Prof. Hamidreza Norouzi

Works in Process - Scholar Edition

Pablo Galindo Aragon Prof. George Garrastegui

A Cube Stacking Problem

Saugat Ghimire Prof. Satyanand Singh

Research on Optimization of Faculty Office Hours

Edgar Gomez Prof. Pamela Brown

Assessment of Two Year Study of Cultural Competence Among Healthcare Students

Tetiana Grygoruk Prof. Zova Vinokur



Developing and Delivering Effective Research Presentations

March 28, 2019

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Christopher Guzowski Prof. Marcos Pinto

Software Application - Light Emitting Diodes

Liqi Haq Prof. Farrukh Zia

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Fahameda Hassan Prof. Zoya Vinokur

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Boaz He Prof. John Huntington

Implementation of Sensors in an Assistive Technology Robot

Jannat Hoque Prof. Farrukh Zia

Life Saving Human Detector

Abid Hossain Prof. Ohbong Kwon

Understanding Water Consumption & Energy Trends in New York City

Wen Yong Huang Prof. Johann A. Thiel

Understanding the Impact of Peer-Led Workshops on Student Learning

Afolabi Ibitoye Profs. Armando Cosme & Nadia Kennedy

The Impact of Peer-Led Workshops in an Intermediate Algebra Course for Women, Minorities & First-Generation College Students

Malika Ikramova Prof. Janet Liou-Mark

Injection Molding Using 3D Printed Molds

Gavriel Ilyayev Prof. Angran Xiao

Motion Sensing Wearable Technology

Jennifer Islam Prof. Farrukh Zia

IOT

Ayesha Javed Prof. Farrukh Zia

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Dahiana Jimenez
Profs. Boyan Kostadinov &
Kenneth Parker

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Leona Ko Prof. Jihun Kim

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Hardware Implementation of an Assistive Technology Mobile Robot

Joycephine Li Prof. Farrukh Zia

Waste to Energy: Eco Composter

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Building Facades: Their Benefits to the Environment & Their Stakeholders

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Designing a Brief Survey & Analysis of Undergraduate Research at City Tech

Stephanie Lovett Prof. Lin Zhou

The Role of Sirtuins in T. Thermophila

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Software Implementation of an Assistive Technology Robot

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Resilient & Sustainable Kalinago

Elena Malysheva Prof. Illya Azaroff

Penn Station Virtual Reality Experience

Lenny Marin Prof. Esteban Beita

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David Mastalerz Profs. Armando Cosme & Nadia Kennedy

The Role of Calpains in T. Thermophila

Nakasie Matthews Prof. Ralph Alcendor

Fortifying Lower Manhattan's Shoreline

Mathlyn Mckie Prof. Elizabeth Parks

Cellular & Hormonal Changes on Long-Term High-Fat Diet Exposure in Mice

Bushra Miah Prof. Sanjoy Chakraborty

Brush Bots

Jane Morales Prof. Farrukh Zia

Student Perspective on Enjoyment in Mathematics Classes

Miralia Moreau Prof. Nadia Kennedy

Measuring Health Behaviors on Diverse Samples: Exploring & Confirming Factorial Structure of Decisional Balance Scale

Trianna Nunes Prof. Amanda Almond

The Incredible Carry Buddy

Patrick Older Prof. Angran Xiao

Cellular & Hormonal Changes on Long Term High-Fat Diet Exposure in Mice

Viktoriia Olshana Prof. Sanjoy Chakraborty



Perovskite Solar Cells

Bryan Ortiz Prof. Masato Nakamura

Using Various Bioinformatic Tools to Analyze Sequences to Determine Speciation

Eric Park Prof. Christopher Blair

What is Celiac Disease & how is it Affected by Gluten Free Diet?

Eugenia Pierre Prof. Liana Tsenova

Effects of Tetrodotoxin Concentration on Action Potential: a Computational Study

Shaina Raklyar Prof. German Kolmakov

Titanium Dioxide Sensitized with Porphyrin Dye as a Photocatalyst for the Degradation of Water Pollutants

Kevin Reyes Prof. Ivana Jovanovic

Geometry Expresses its Designs on Art & Architecture

Evelyn Richardson Prof. Anne Leonhardt

City Tech Talk & Roll Bot

Samiha Riham Prof. Farrukh Zia

Research on Optimization of Faculty Office Hours

Andre Rodriguez Prof. Pamela Brown

Motion Sensing Wearable Technology

Caroline Rodriguez Prof. Farrukh Zia

A Smart Robot for a Smart Home

Pratima Roy Prof. Farrukh Zia

The City Performs: A GIS History of NYC Theater

Freddy Ruiz Prof. Christopher Swift

Assessing Participants' Feedback to Dental Hygiene Care provided by New York City College of Technology Dental Hygiene Students

Dirien Santos Prof. Susan Davide

Solar & Rain Catching Canopy

Subhra Sen Prof. Alexander Aptekar

Cultural Competence: Issues & Benefits in Healthcare Delivery

Amina Shahbaz Prof. Zoya Vinokur

Hardware Application - Light Emitting Diodes

Lubna Sharmin Prof. Farrukh Zia

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Arooba Sohail Prof. Farrukh Zia

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Yasmine Soofi Prof. Nadia Kennedy

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Mohamed Soofi Prof. Christopher Swift

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Ibrahima Sow Prof. Satyanand Singh

Artificial Intelligence Techniques in Analyzing Stroke Victim Data

Kateryna Strokach Prof. Joanne Esther Weinreb

Design & Prototyping of a Robot that Follows

Joyce Tam Prof. Angran Xiao

Remote Sensing + ATF

Luc Telemaque Prof. Viviana Vladutescu

Water, Race, & Class IIII

Jean-Hus Theodore Prof. Aida Egues

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Roseanna Torres Prof. Susan Davide

Sustainable & Resilient Kalinago

Yesenia Ward Prof. Illya Azaroff

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Xiaolan Wu Prof. Diana Samaroo

Assessment of Two Year Study of Cultural Competence Among Healthcare Students

Tiffany Yip Prof. Zoya Vinokur

Modeling Changes in Cellular Micro-Environment in Mild to Moderate Head Trauma

XiangFu Zhang Prof. Subhendra Sarkar

Simulation as a Predictor in Probability

Xiaona Zhou Prof. Satyanand Singh

GRANT-FUNDED PROJECTS

NATIONAL SCIENCE FOUNDATION LOUIS STOKES ALLIANCE FOR MINORITY PARTICIPATION (LSAMP) IN STEM

Program Coordinator: Ms. Ericka Saldana

The Effect of Air Quality on Humans: Asthma

Kiyatou Konate Prof. Lisa Pope Fischer

An Anthropological Study of Globalization: McDonaldization, Glocalization, Power & Resistance

Sumya Raha Prof. Lisa Pope Fischer

Anthropological Study of Social Media: Snapchat's Dictatorship

Ida Touray Prof. Lisa Pope Fischer

Environment Mapping Robot

Caren Yang Prof. Farrukh Zia NATIONAL SCIENCE FOUNDATION RESEARCH EXPERIENCES FOR UNDERGRADUATES IN SATELLITE & GROUND-BASED REMOTE SENSING AT NOAA-CREST: EXPANDED OPPORTUNITIES

(NSF REU Grant # 1560050)

Profs. Reginald Blake & Janet Liou-Mark, Ms. Julia Rivera

Investigating Seasonality in Forecast Bias

Adrian Barros

Effect of Extreme Weather Disasters on Global Rice Production

Thierno Barry

Signals in Urban Soil

Fatimata Dia

The Dionysus Project: Classifying & Monitoring Vineyards with Satellite Remote Sensing & Image Analysis

Nicole Flores

Building Integrated Photovoltaic Panels to Reduce & Meet the Cooling Load for Tropical-Coastal Cities

Juan Garcia

Analysis of Urban Surface Temperature Using Satellite Remote Sensing & In-Situ Applications

Justine Ginchereau

Geolocation Correction of Satellite Precipitation Estimates using a Radar-Gauge Product

Edgar Gomez

Analysis of Freeze & Thaw Dates over Glaciers in High Mountain Asia using Satellite Remote Sensing

Khaing Hsu Wai

Catchment=Scale Storm Orientations & Rainfall Patterns in the Missouri River Basin

Mohamed Layachi

Influence of Extreme Weather Disasters on Maize across the Globe during the Last Several Decades

Benjamin Pascal

The Dionysus Project: Classifying & Monitoring Vineyards with Satellite Remote Sensing & Image Analysis

Evelin Perez-Flores

Observation of Aerosols & Characterizing Planetary Boundary Layer Using Ceilometers & LIDAR's

Akash Persaud

Impact of Extreme Climate Change on Crops

Sharib Rizvi

Geolocation Correction of Satellite Precipitation Estimates using a Radar-Gauge Product

Andre Rodriguez

Detecting Ozone at the Earth's Surface in the New England Region

Shawn Telesford

Analysis of Urban Surface Temperature Using Satellite Remote Sensing & In-Situ Applications

Makini Valentine

NATIONAL SCIENCE FOUNDATION GP-EXTRA: RECRUITING & RETAINING NON-GEOSCIENCE MINORITY STEM MAJORS FOR THE GEOSCIENCE WORKFORCE

(NSF IUSE GEO Grant # 1540721)

Profs. Reginald Blake, Janet Liou-Mark, Masato Nakamura, Hamidreza Norouzi, Dereck Skeete, Viviana Vladutescu, & Ms. Julia Rivera & Laura Yuen-Lau

Analysis of Surface Temperature Trends of World's Major Lakes & Relationships with Their Basins' Characteristics

Jelani Barro, Patrice Prosper, Jimmol Singh Prof. Hamidreza Norouzi

Analysis of Surface Temperature Trends of World's Major Lakes & Relationships with Their Basins' Characteristics

Ronaldo Carhuarica Profs. Reginald Blake & Hamidreza Norouzi

Analysis of Urban Surface Temperatures Using Remote Sensing & Ground Based Applications

Jonathan Chea, Leonardo Ramos Prof. Hamidreza Norouzi

Analysis of Urban Heat Islands with Air Flow Simulation

Xiao Lin, Timothy Medina, Carlos Villalva Prof. Masato Nakamura

Assessing Urban Drinking Water using (ICP-MS)

Abel Urgiles, Tezel Yearwood Prof. Dereck Skeete

NATIONAL INSTITUTES OF HEALTH: BRIDGES TO THE BACCALAUREATE PROGRAM

(NIH Grant # 5R25GM102793-05)

Associate Provost Pamela Brown Profs. Liana Tsenova, Pa Her, Jean Hillstrom, Janet Liou-Mark, Diana Samaroo, Armando Solis, Tatiana Voza

Undergraduate Narratives of Traumatic Experiences: Exploring Meaning-making & Emotions in a Diverse Urban College Setting

Justin Cantor, Yamilet Cruz, Destiny Mercado, Khandaker Rishalatullah Prof. Pa Her

Exercise, Smoking, & Weight Maintenance: Exploring & Confirming Factoral Structure of Decisional Balance Measures on Diverse Samples

Mariam Kamara Prof. Amanda Almond

Sequencing & Barcoding of DNA Extracted From the Scales of Phataginus Tricuspis from Nigerian Locations

Samantha Lee Prof. Olufemi Sodeinde

SPECIAL PROJECTS

Culinary/Pastry Future Innovators –
Engaging Tomorrow's Leaders for the
Hospitality Industry Through Development &
Exhibition of Creative Works

Sharleen Cardenas, Amber Furey-Lessen, Carina Reyes-Gonzalez, Jennifer Lara, Amy Lin, Aquille Pierre, David Rivera

Culinary Pastry Innovators (Spring 2019) Prof. Robert Walljasper

Department of Hospitality Management

ABSTRACT:

Experiential, goal-oriented student learning can greatly boost connections between classroom knowledge, professional growth and creativity. The use of tiered-level mentoring as part of preparation for Culinary/Pastry competition—sanctioned by the American Culinary Federation, the leading national professional chefs organization—can increase student engagement, improve their creativity, and test their critical thinking skills. Weekly communication with mentors and their instructor, as well as guided hands-on practice generate several assessment opportunities prior to public exhibition of their creative works. Students develop action plans to respond to the judging criteria.

Industry experts and certified judges adjudicate students' gastronomic creations. Students who plan, participate, and reflect on their learning appear more confident and able to enhance their academic studies, as well as develop their professional demeanor.



Culinary Pastry Innovators: Innovators and Assistants Returning After Exhibiting Creative Works April 13, 2019

PHYS 1010ID: Science in the Kitchen

Prof. Laina Karthikeyan
Prof. Robert Walljasper
Departments of Biological Sciences &
Hospitality Management

ABSTRACT:

This Interdisciplinary (ID) course explores scientific concepts behind every day culinary processes in the kitchen. In small groups, students research, develop and discover the implications & applications of science to the dinner table. Course content is designed around food, cooking and the biological basis to explain what happens in the kitchen. For this research project, teams were asked to identify connections between biology and culinary arts, apply theory and discover practical applications through experimentation.

Egg Properties & Cooking Applications

Michelle Chen, Mohammad Raihan, Edson Santos

Sous Vide Origins & Practical Applications

Kristine Ann Balubar, Chinelle Ann Hooper, Gabriela Rosa

Culinary Preservation & Traditions

Trinidad Difo, Cei Kar Ng Wu, Tony Yu

Salt Varieties & Culinary Implications

Jonathan Jimenez, Destiny Rivera, Azadeh Sarjoughian

Cheese Transformation with Application of Heat

Safayethur Chowdhury, William Rodriguez, Youry Valcin

CMCE 2454: Applied Hydraulics

Prof. Robin Sanchez Department of Construction Management & Civil Engineering Technology

ABSTRACT:

The Applied Hydraulics course highlights the principles of water supply and sewerage collection and treatment, with an emphasis on NYC's water supply and wastewater treatment systems. For this class project, groups were asked to research and address the essential question: How can New York City's water infrastructure be improved?

City of Dreams & Overflow

Ryan Etwaroo, Nfamory Kaba, Sik Fun Alex Ng, Mohammad Tous

The Modernization of **Wastewater Treatment in NYC**

Jonathan Castellanos, Nixon Gaston, Ted Louis. Valentin Ramirez

New York City's Delaware Aqueduct Reconstruction & Water Supply

Anabel Emile. Kareem Jackson. Mohamed Mousa, Makini Valentine

Drinking Water Quality of NYC Schools

Maya Fidelia, Said Kasimov, Zachary Niles, Abdullah Zafar



PHYS 1010ID: Science in the Kitchen

March 14, 2019

Effects of Stormwater on NYC's Sewer System

Nour Elbroul, Austin Govindu, Ivan Molina, Ridwan Samad

Managing & Disposing of Household Chemicals to Protect Water Quality

Anton Ambrosov, Nohelia Franceschi, Marco Leung, Joel Quispe

How Methane Gas is a Product of Sludge Through the Wastewater Treatment Process

Bill Chinskul, Bryan Gonzalez, Michael Mohammed, Carlos Rondon

NOTES

NOTES

THE 30TH SEMI-ANNUAL HONORS & UNDERGRADUATE RESEARCH POSTER PRESENTATION

To all the dedicated professors for mentoring students. A heartfelt thank you for making this event a successful one.

SPECIAL THANKS TO

Ms. Iman Abdulfattah
Mr. Abdou Bah
Ms. Lauri Aguirre
Ms. Shawn Beatty
Ms. Clara Johnson
Prof. Julia Jordan
Dr. Janet Liou-Mark
Mr. Christopher Navarrete
Ms. Ericka Saldana
Dean David Smith
Mr. Lubosh Stepanek
Mr. David Turkiew
Dean Justin Vazquez-Poritz
Ms. Laura Yuen-Lau

A SPECIAL THANK YOU

TO THE DEDICATED POSTER JUDGES

Monica Berger
Daeho Kang
Alberto Martinez
Ariane M. Masuda
Michael McAuliffe
Marissa Moran
Nandi Adeola Inglis Prince
Margaret Rafferty
Robert Walljasper

A SPECIAL RECOGNITION AND APPRECIATION TO MS. JULIE BRADFORD FOR DESIGNING THE PROGRAM

