Undergraduate EXPO 14

March 24-25, 2014

Western Carolina University

125 YEARS

Undergraduate Expo 2014

Western Carolina University
March 24-25

Welcome

The sixteenth Undergraduate Expo features *248* student presenters and *61* faculty sponsors, spread over *twenty* departments and programs in three days. Through this event, Western Carolina University celebrates undergraduate achievement, with presentations representing the creative thinking, research, practice, service, calculation, writing, and editing that occurs every day our institution is open, in studios, labs, classrooms, and in the field. Please take some time to attend a presentation, even one that is out of your discipline, to learn more about what is taught and learned at your university.

The Expo Reception

The reception for students, faculty sponsors, and the community at large will begin at 5:00 p.m. on Monday, March 24, in the Grand Room at the University Center. A brief program will start at 6:00 p.m. in the Grand Room, where the Recognition of Distinguished Instruction and Nurturing (RODIN) award will be presented.

Poster Session

The Expo Poster Session will be held in and around the University Center Grand Room from 5:00 p.m. to 6:30 p.m. on Monday, March 24.

Press Releases for Student Presenters

WCU's Office of Public Relations and Communications routinely sends news releases about student activities and honors to the hometown/local newspapers of the students involved. Students participating in the Undergraduate Expo who wish to take advantage of that service should visit the website http://studentawards.wcu.edu to complete an online form and submit it via email to the Public Relations and Communications Office.

National Conference on Undergraduate Research

This year NCUR will be on the campus of the University of Kentucky at Lexington April 3-5. Please check this program for the complete list of the 70 NCUR28 abstracts accepted; this year, WCU is tied for second in the nation in the number of accepted abstracts and is once again number one in North Carolina.

Acknowledgments

Without students to do the work and faculty members to mentor them, there would be no Undergraduate-Expo. Many thanks to them, and to the deans, associate deans, directors, and department heads who did so much to help promote the Expo this year!

National Conference on Undergraduate Research 2014

Below are the projects accepted, titles, student presenters, and their sponsors for NCUR28. Funding for travel to NCUR28 was made possible by local tuition funds earmarked for support of the Quality Enhancement Plan and undergraduate research in particular.

African American Studies

If Only I Had A Chance: Chicago Restriction in Richard Wright's "Native Son"
Sara Green, presenter
Annette Debo, sponsor

Dissemblance in Toni Morrison's "Beloved" and the "Slave Narrative of Dora Franks"
Catherine Stiers, presenter
Annette Debo, sponsor

Anthropology & Archeology

Compression Testing of Deer Femora as an Animal Model for Automobile Accidents
Jennie Coffel, presenter
Martin Tanaka, John.Williams, and Robert Steffen, sponsors

From the Creek Bed to the Laboratory: An Experimental Analysis of Temper in Pigeon and Connestee Series Ceramics
Paige Tester, presenter
Jane Eastman, sponsor

Architecture & Interior Design

Redefining Ergonomics: Helping Students Achieve the Best
Christopher Wilson, presenter
Erin Adams, sponsor

Art Studio (Visual Arts)

Liminal Landscapes: A Photographic Exploration
Amelia Holmes, presenter
Susan Martin, sponsor

Vessels of Light: An Exploration of Porcelain and Life
Amanda Janes, presenter
Joan Byrd, sponsor

Light and Time
Gina Ricciardelli, presenter
Richard Tichich, sponsor

Biochemistry

Determination of Antimicrobial Activity of Europium Metal Complexes
Kristy Martin Rogers, presenter
Channa De Silva, sponsor

Biology

Making an RNA Interference (RNAI) Library to Screen Virulence Phenotyoes In the Pathogenic Yeast, cryptococcus Neoformans
Matthew Alexander, presenter
Indrani Bose, sponsor

Canopy Openness Effects On Vegetation Richness
McKenzye DeHart-McCoyle, presenter
Beverly Collins, sponsor

Business/Finance/Accounting

No Accounting For Global Financials
Dianna Almond, presenter
Lorrie Willey, sponsor

Cell & Molecular Biology

Annotation of a DNA Contig From the Dot Chromosome of Drosophila Biarmipes
McKenzye DeHart-McCoyle, presenter
Indrani Bose, sponsor

Method Development: Direct Amplification of the Entire Human Mitochondrial Genome
Meghan Lawler, presenter
Mark Wilson, sponsor

Chemistry

Synthesis and Characterization of Europium-based Nanoparticles with Enhanced Luminescent Properties
Austin Allen, presenter
Channa De Silva, sponsor

Surface Enhanced Luminesence of A Rare Earth Complex by Silver Nanoparticles
James Beimborn II, presenter
David Evanoff, sponsor

Complexation of Boroxines and Boronates with Amine N-Oxides
Elicha Benfield, Meghan Lawler presenters
Bill Kwochka, sponsor

Synthesis, materials characterization, and toxicological evaluation of Eu(III) doped- Fe3O4 nanoparticles using YPEN rat endothelial cells
Kortney Schumann, presenter
Channa De Silva, sponsor

Communications

What Is Your Number?
Monica Papworth, presenter
Melissa English, sponsor

Computer Science

TranTracker: A Tracking System for Campus Shuttles
Christopher Ward, presenter
Mark Holliday, sponsor

Criminology

Why the American Public is Blaming the Victim: Preliminary Support for Moral Judgment Theory
Ashley Hemsath, presenter
Albert Kopak, sponsor

Police Corruption in South Africa and the United States: A Cross-Cultural Comparison
Mary Hannah Hughes, presenter
Cyndy Hughes, sponsor

Patterns and Causes of Higher Homosexual Drug Use
Wesley Myers, presenter
Frederick Hawley, sponsor

Education

The Effect of Community Service on Western Carolina University
Peyton Flinchum, presenter
Brenda Marques, sponsor

Who gets the last word? Literature of immigration in the Secondary English Language Arts Classroom
Jill West, presenter
Eleanor Petrone, sponsor

English

Realization of the Castration Anxiety: Psychoanalysis of "The Sun Also Rises"
Aaron Cole, presenter
Annette Debo, sponsor

How Colonialism 'Tainted' Cultural Identity: A New Historicist Analysis Of Thrall
Stephany McCann, presenter
Burton Ogle, sponsor

Feste of "Twelfth Night:" Shakespeare's Indispensable "Corrupter of Words"
Leah Rhodes, presenter
Brent Kinser, sponsor

Environmental Studies & Sciences

Looking at Crime Through a Public Health Lens
Mary Hannah Hughes, presenter
Tracy Zontek, sponsor

Evaluating Sustainability of Commuter Transportation at Western Carolina University
William Wood, presenter
Laura DeWald, sponsor

Film Studies

Living and Dying in Murderhouse: Abigail Hobbs in NBC's "Hannibal"
Emily Maesar, presenter
Elizabeth Heffelfinger, sponsor

Harry Potter and the Theory of Film
Luiz Rosa Lippel, presenter
Margaret Bruder, sponsor

Geography & Earth Sciences

Paleoenvironmental Study of Late Holocene, Organic-Rich Deposits Recovered from Pink Beds, A Southern Appalachian Wetland in Western NC
Michele Coker, presenter
Benjamin Tanner, sponsor

Health Sciences & Public Health

Traumatic Knee Injury in a Collegiate Football Player
Nichole C. Eads, presenter
James Scifers, sponsor

Establishing Specificity of Concussion Special Tests
Elena Keretses, presenter
James Scifers, sponsor

The Effect of Pulsed Shortwave Diathermy, Moist Hot Pack and Passive Stretching on Hamstring Flexibility
Sarah McNamara, presenter
James Scifers, sponsor

Osteochondroma of the Distal Tibia in College Ballet Dancer
Jenna Neumann, presenter
Tara Peterson, sponsor

Comparison of Sanitation For Personal UV Lights and Bleach Spray
Jessica Ricchio, presenter
Burton Ogle, sponsor

History

The Concentration of Force: Technological Innovations of Dreadnoughts in the Battle of Jutland
Elizabeth Pratt, presenter
David Dorondo, sponsor

"For Sacred Germany": A History of the German Military Resistance to Adolf Hitler, 1938-1944
Adam Ray, presenter
David Dorondo, sponsor

The Power of the Panther in the Tarheel State: How the Black Panther Party Changed the Role of Race Relations in North Carolina
Adam Ray, presenter
Richard Starnes, sponsor

Appalachian Civility: School Integration in Jackson County, North Carolina
Joshua Wilkey, presenter
Robert Hunt Ferguson, sponsor

Interdisciplinary Studies

You Found a Way to Break Out: Self-Love as Revolution in Janelle Monáe's The Electric Lady
Amelia Holmes, presenter
Annette Debo, sponsor

Linguistics & World Languages

An Examination of 21st Century Appalachian English
Morgan Lancaster, presenter
Erin Callahan, sponsor

Literature

Thematic Similarities in George Chapman's "The Memorable Masque" and John Smith's "The Generall Historie"
Tyler Auffhammer, presenter
Mary Adams, sponsor

Shakespeare's Game of Thrones: "Hamlet" and the Elizabethan Succession Question
Tyler Auffhammer, presenter
Mary Adams, sponsor

Undressing Little Red Riding-Hood: Female Sexual Power In Angela Carter's "The Company Of Wolves"
Christian Rogers, presenter
Brent Kinser, sponsor

Music Original Composition

The Harmony Initiative
Justin Beebe, David Myers, Josh Blue presenters
Bruce Frazier, sponsor

Music Research and/or Analysis

The Female Orchestra In Auschwitz
Candace Rhodes, presenter
Christina Reitz, sponsor

John Stainer's Contributions to Sacred Music During the Romantic Era
Marquita Someliana-Lauer, presenter
Christina Reitz, sponsor

Nursing

Training of Nursing Students In Africa- How Do These Nurses Meet the Needs of the People?
Merab Mushfiq, presenter
Sharon Metcalfe, sponsor

Philosophy & Ethics

Michael Sandel and Theories of Justice
Melissa Bradley, presenter
Daryl Hale, sponsor

Implications on Selfhood In Alasdair Macintype's After Virtue
Walker Dorsett, presenter
John Whitmire, sponsor

Cora Diamond and Guantanamo Bay
Mandy Long, presenter
Christopher Hoyt, sponsor

Jean-Paul Sartre: Insufficient Potentiality
Allen Sewell, presenter
John Whitmire, sponsor

Harmony and Justice from Within: The Good Life
Tiffany VonVitzthume, presenter
John Whitmire, sponsor

Physics

Increase of Ionizing Radiation at the Pfotzer Maximum over the Southern Appalachains
Michele Coker, presenter
Enrique Gomez, sponsor

Political Science

Is Western Carolina University Truly Purple?
Heather Britt, Matt Rains presenters
Christopher Cooper, sponsor

Perceived Government Responsiveness As Related to Social Spending
Benjamin Fulmer, presenter
Michael Mcdonald, sponsor

Discrepancies In Sentencing Of Juvenile Offenders With Disabilities
Grayson Keating, presenter
Michael Mcdonald, sponsor

Table for Two: Why Third-Party Candidates Have a Winning Issue in Congressional Races
Gregory Lademann, presenter
Michael McDonald, sponsor

Internet Access and Political Knowledge
Matthew Rains, presenter
Michael McDonald, sponsor

Gun Laws on Violent Crimes
Matthew Turner, presenter
Michael Mcdonald, sponsor

Psychology

Core Personality Traits as Predictors of Social-Emotional Adjustment and Pre-Literacy Skills in Preschool Children
Olivia Lochner, presenter
Cathy Grist, sponsor

Religious Studies

Connecting the Influences of Scientific Theories and Religious Beliefs
Virginia Cohen, presenter
Daryl Hale, sponsor

Onions, Batkid and Jesus: Living Dostoevsky's "Good Life"
Mackenzie Moody, presenter
James McLachlan, sponsor

Evils Mockery: Morality and Marring In the Mind of Tolkien
Michael Thames, presenter
John Whitmire, sponsor

Sociology

El Sistema Nacional de Salud de España: A Look into Spain's Health Care System
Jessica McLamb, presenter
Lori Oxford, sponsor

Changing Social Class Trajectory
Hailey Sneed, presenter
Peter Nieckarz, sponsor

Women and Gender Studies

A Not So Cinderella Story: Gender Inequality In Anne Sexton's "Cinderella"
Elizabeth-Ann Diehl, presenter
Brent Kinser, sponsor

Undergraduate EXPO 2014

Presentations will be held at Western Carolina University, March 24-26, according to college and department. Below are project titles, presenters, sponsors, time, and place of presentation.
*** denotes a presentation also selected for NCUR 28**

Monday, March 24, 2014
Poster Session
5:00 - 6:30 PM University Center Grand Room & Lobby

Students are invited to set up posters in the Grand Room after 4:00 p.m.

College of Arts and Sciences

Anthropology & Sociology

Birth Control Use and Knowledge
Student Presenter: Rebecca Bleich
Faculty Sponsor: Marilyn Chamberlin

Girl Scouts for Gay Kids: Exploring Queer Youth Spaces in the United States
Student Presenter: Mikayla K. Mann
Faculty Sponsor: Heather Talley

Is Organizational Culture an Effective Predictor of Organizational Performance?
Student Presenter: Devan G. Lalas
Faculty Sponsor: Kathleen Brennan

Biology

Annotation of a DNA Contig from the Dot Chromosome of Drosophila Biarmipes
Student Presenter: * McKenzye Madison DeHart-McCoyle, and Anthony Downs
Faculty Sponsor: Indrani Bose

Annotation of Contig 43 from the Draft Genome Sequence of Elizabethkingia Meningospetica
Student Presenter: Morgan Simril
Faculty Sponsor: Jessica Moore

Creating a RNA Interference Library for Cryptococcus Neoformans
Student Presenter: * Matthew Alexander
Faculty Sponsor: Indrani Bose

Effects of Hypoxia on Human Endothelial Cell Survival
Student Presenter: Stephanie Burris, Patrick Link, Mariah James, and Brittni Foster
Faculty Sponsor: Heather B. Coan

Identification of Genes on Contigs 27 and 71 from the Draft Genome Sequence of Elizabethkingia Meningoseptica
Student Presenter: Mary Ellis
Faculty Sponsor: Jessica Moore

Chemistry & Physics

Comparison of Nucleic Acid Quantitation Methods including Thermo Scientific's NanoDrop™ and Life Technologies' Qubit®
Student Presenter: Jessica Bradley
Faculty Sponsor: Brittania J. Bintz

Complexation of Boroxines and Boronates with Amine N-Oxides
Student Presenter: * Elicha R. Benfield and Meghan F. Lawler
Faculty Sponsor: William R. Kwochka

Determination of Antimicrobial Activity of Europium Metal Complexes
Student Presenter: * Kristy M. Rogers
Faculty Sponsor: Channa De Silva

Emulsions as a Deer Repellent
Student Presenter: Crystal Noell
Faculty Sponsor: Cynthia Atterholt

Evaluating Sustainability of Student Commuter Transportation at WCU
Student Presenter: * William Wood and Anja Nothdurft
Faculty Sponsor: Laura DeWald

Increase of Ionizing Radiation at the Pfotzer Maximum over the Southern Appalachians
Student Presenter: * Michele Coker
Faculty Sponsor: Enrique Gomez

Method Development: Direct Amplification of the Entire Human Mitochondrial Genome
Student Presenter: * Meghan Lawler
Faculty Sponsor: Mark Wilson

Synthesis and Cytotoxicity Studies of Eu(III) doped-Fe3O4 Nanoparticles using YPEN Rat Endothelial Cells
Student Presenter: * Kortney Schumann
Faculty Sponsor: Channa De Silva

Chemistry & Physics, Forensic Science Program Determination of Mitochondrial DNA Degradation In Hair Shaft Extracts using PCR
Student Presenter: Jeff Foster
Faculty Sponsor: Erin Burnside

Criminology and Criminal Justice

Are Hot Spot Policing, Problem Oriented Policing, and Directed Patrol Effective?
Student Presenter: Tyler Cummings, Tyler Mahaley, George Richardson, William Roseborough, and Cory Shropshire
Faculty Sponsor: Jamie Vaske

Are Rehabilitation Programs Effective in Reducing Recidivism?
Student Presenter: Toni Pearson Taylor Sennett, Matthew Schofield, Jackson Stewart, and Katelyn Watson
Faculty Sponsor: Jamie Vaske

Changes in Property Crime in Response to DNA Collection in North Carolina and South Carolina
Student Presenter: Zach Holme,s Kadi Lott, Marina Ropalo, and Brianna Neher
Faculty Sponsor: Jamie Vaske

Controlling Police Behavior
Student Presenter: Jacquelyn Clark, Chloe Jones, Noah Williams, Ammar Phillips, and Josh Mendenhall
Faculty Sponsor: Jamie Vaske

Crisis Intervention Teams in Community Policing
Student Presenter: Matt Kakos
Faculty Sponsor: Cyndy Caravelis Hughes

Differential Association Theory
Student Presenter: Brianna Murray
Faculty Sponsor: Stephen E. Brown

DNA Investigation vs. Traditional Investigation Methods
Student Presenter: Savannah Clark, Rachel Bates, Travis Allen, Matthew Gillis , and Jackson Stewart
Faculty Sponsor: Jamie Vaske

DNA: Helpful Crime Solving Tool or Bogus Evidence?
Student Presenter: Jessica Lay, Christian King, Whitney Scruggs, Tom Tankelewicz, and Shealgh Scanga
Faculty Sponsor: Jamie Vaske

Effectiveness of Rehabilitation Programs on Recidivism
Student Presenter: Cameron Simmons, Molly Davis, Ryan Romig, Kendra Puckett, and Catrina Neal
Faculty Sponsor: Jamie Vaske

Effects of Stop and Frisk
Student Presenter: Kari Schepp, Savannah Clark, Joshua Whitaker, Corey Edmondson, and Ethan Silver
Faculty Sponsor: Jamie Vaske

Effects on Latinos from Immigration Policies
Student Presenter: Erica Azoulay
Faculty Sponsor: Albert Kopak

Emotional Dysregulation among Offenders with and without Mental Illness
Student Presenter: Summer Brathwaite
Faculty Sponsor: Jamie Vaske

Examining the Effectiveness of New York's Stop and Frisk
Student Presenter: * Wesley Myers, Tyler Clark, Hayley Lovett, Sean Patrick Leech, and Matt Gillis
Faculty Sponsor: Jamie Vaske

Impact of DNA Testing in North Carolina
Student Presenter: Emily Leslie, Tom Burns, Nikki Munn, and Laura Davis
Faculty Sponsor: Jamie Vaske

Learning Theory and Rape
Student Presenter: Kayla Chase
Faculty Sponsor: Stephen E. Brown

Multi-Systemic Therapy: Is It Working?
Student Presenter: Delana McCroskey, Erica Azoulay, Laura Davis, Kim Guarda, and Maria Cirello
Faculty Sponsor: Jamie Vaske

Police Practices in a Post 9-11 World
Student Presenter: Ryan Denver
Faculty Sponsor: Cyndy Caravelis Hughes

Policing Methods and Their Effectiveness on Crime
Student Presenter: Kyle Brouillette, Keaston Evitt, Dylan Wills, Josh Moody, and Paul O'Brien
Faculty Sponsor: Jamie Vaske

Processing a Crime Scene
Student Presenter: Devin Carlson
Faculty Sponsor: Cyndy Caravelis Hughes

Rational Choice Theory as it Applies to White Collar Crime
Student Presenter: Shannon M. Kozak
Faculty Sponsor: Stephen E. Brown

Reducing Crime: Juvenile Waiver Laws
Student Presenter: Amber Dills, Amy Horn, Jessie King, and Zakia Jenkins
Faculty Sponsor: Jamie Vaske

Stop and Frisk
Student Presenter: Daniel Padgett, John McBeth, Chris Shoulars, and Michael Richardson
Faculty Sponsor: Jamie Vaske

Stop and Frisk Results from 1990 to 2011
Student Presenter: Whitney Scruggs, Kristy Cole, Charles Young, and Sam Rape
Faculty Sponsor: Jamie Vaske

Student Involvement in Active Shooter Preparedness
Student Presenter: Matt Kakos
Faculty Sponsor: Thomas Johnson

The impact of Stop and Frisk
Student Presenter: Christian King, DeJahn Harris, and George Richardson
Faculty Sponsor: Jamie Vaske

The Importance of DNA to CJ
Student Presenter: Robyn White, Ryan Corkwell, Josh Whitaker, and Stephanie Worley
Faculty Sponsor: Jamie Vaske

Unjustly Blaming the Blameless
Student Presenter: Emily Jaynes
Faculty Sponsor: Lisa Briggs

Which Method of Policing is Most Effective in Reducing Criminal Activity?
Student Presenter: Kyle Isley, Pete Balthrop, Matt Kakos, Josh Leake, and Richard Reakes
Faculty Sponsor: Jamie Vaske

English

An Examination of 21st Century Appalachian English
Student Presenter: * Morgan Lancaster
Faculty Sponsor: Erin Callahan-Price

Geosciences & Natural Resources

Evaluating the Solar Energy Potential of Rooftops and Parking Lots on the Campus of Western Carolina University
Student Presenter: Anja Nothdurft
Faculty Sponsor: Ronald Davis

Mathematics & Computer Science

A Web-Driven, Python-Based Robot with Object Detection
Student Presenter: Tim Sizemore and Andriy Rudyk
Faculty Sponsor: Mark A. Holliday

An Android-Based Guide to the Night Sky
Student Presenter: Alisha Hayman and Nick Wilson,
Faculty Sponsor: Mark A. Holliday

An E-Commerce Web App Using Ruby on Rails, MongoDB, and Feed the Beast
Student Presenter: Wes Johnson
Faculty Sponsor: Mark A. Holliday

PyFighters: A Two-Dimensional Fighting Game
Student Presenter: Diego Gonzalez and William Stiles
Faculty Sponsor: Mark A. Holliday

TranTracker: A Campus Shuttle Tracking System
Student Presenter: Hayden Thomas and Christopher Ward
Faculty Sponsor: Mark A. Holliday

Understanding HIV: Changes In Mathematical Modeling from 1987-2010
Student Presenter: Aidan Grennell
Faculty Sponsor: Erin McNelis

Using the MEAN Stack for Implementing a Database-Driven Website
Student Presenter: Terry J. Mitchell
Faculty Sponsor: Mark A. Holliday

Modern Foreign Languages

JPN 393 Japanese Calligraphy "Past, Present, and Future Vol. 3
Student Presenter: Keat Cahoon and Shahidah Uthman
Faculty Sponsor: Yumiko Ono

College of Business

Accounting, Finance, Information Systems and Economics

A Business Intelligence Solution using MS EXCEL 2013
Student Presenter: Minh C. Tram
Faculty Sponsor: Debasish Banerjee

Go Mediation!
Student Presenter: Jared Maurice Williams
Faculty Sponsor: Debasish Banerjee

Business Administration & Law and Sport Management

Annotated Employment Contract
Student Presenter: Cara Elyea
Faculty Sponsor: Debra Burke

Entrepreneurship, Sales & Marketing and Hospitality and Tourism

Creating Your Own Webpage
Student Presenter: Melissa Day
Faculty Sponsor: Julie Johnson-Busbin

College of Education and Allied Professions

Psychology

Core Personality Traits as Predictors of Social-Emotional Adjustment and Pre-Literacy Skills in Preschool Children
Student Presenter: * Olivia Lochner
Faculty Sponsor: Cathy Grist

Dog versus Wolf: What Affects Animal "Naturalness?"
Student Presenter: Andrew Clayton Roush
Faculty Sponsor: Harold Herzog

Fear of Germs and Fried Spiders: The Effects of Perceived Vulnerability to Disease on Food Adventurousness
Student Presenter: Ruth Hudson
Faculty Sponsor: Harold Herzog

School of Teaching and Learning

Formation of Pathological Scars
Student Presenter: Diana Kuzmich
Faculty Sponsor: Maridy Troy

College of Fine and Performing Arts

School of Art and Design

Redefining Ergonomics: Helping High School Achieve the Best
Student Presenter: * Garrett Wilson
Faculty Sponsor: Erin Adams

Reinventing Business Class: Airline Design
Student Presenter: Samantha Ruckman
Faculty Sponsor: Erin Adams

College of Health and Human Sciences

Human Services

Food, Nutrition and Culture Developed in the 1960s and the Lasting Impact on American Society
Student Presenter: * Peyton Flinchum and Heather Schneider
Faculty Sponsor: April Tallant

Looking at Crime Through a Public Health Lens
Student Presenter: * Mary Hannah Hughes
Faculty Sponsor: Tracy Zontek

School of Health Sciences

A Community Health Assessment of the Town of Auburn, MA.
Student Presenter: Ryan Michaud
Faculty Sponsor: Tracy Zontek

A Comparison of Physical Diameters to Mobility Diameters
Student Presenter: Joel Lowery
Faculty Sponsor: Burton Ogle

A Unique Case of Sialolithiasis in a Collegiate Hockey Player
Student Presenter: Julia Plourde
Faculty Sponsor: Tara Peterson

Acute Onset Foot Pain in Ballet Dancer
Student Presenter: Sara Spencer
Faculty Sponsor: Rob Dingle

Calcium Supplement Use and Recommended Dietary Allowance Status of Women over Age Fifty
Student Presenter: Morgan Rawls
Faculty Sponsor: Wayne Billon

Cervical Spine Fracture in a Collegiate Gymnast
Student Presenter: Jenna Allocco
Faculty Sponsor: James Scifers

Community Garden
Student Presenter: Quinton Toler
Faculty Sponsor: Cyndy Caravelis Hughes

Evaluating the Most Useful Air Monitoring Equipment in R&D Laboratories
Student Presenter: Emily Ostrander
Faculty Sponsor: Burton Ogle

Evaluation of Calorie Displays on Western Carolina University Vending Sales
Student Presenter: Krystle Thomas, Rachel Smoot, and Terra Mileti
Faculty Sponsor: April Tallant

Examination between Poverty and Crime Rates
Student Presenter: Leticia Yanez
Faculty Sponsor: Cyndy Caravelis Hughes

Fight Bac! Food Safety Education Materials in Jackson County Medical Facilities
Student Presenter: Katherine J. Eagle
Faculty Sponsor: April Tallant

Join the Nutrition and Dietetics Program Today, Change the World Tomorrow!
Student Presenter: Michael Fyock, Brandi Hall, and Chad Ross
Faculty Sponsor: April Tallant

Nutrition on a Mission
Student Presenter: Emma Wieber and Codie Parris
Faculty Sponsor: April Tallant

Osteochondroma of the Distal Tibia in a College Ballet Dancer
Student Presenter: * Jenna Neumann
Faculty Sponsor: Tara Peterson

Potassium Content of Meals Served in a Western North Carolina Soup Kitchen
Student Presenter: Alex Paysour
Faculty Sponsor: April Tallant

Purposeful Engagement: Systematically Coordinating the Nutrition and Dietetics Undergraduate Curriculum with the Local Food and Farm to School Education Project
Student Presenter: Kristen Kowalczyk, Carrie Jobe, and Robin Taddonio
Faculty Sponsor: April Tallant

School of Health Sciences (continued)

Quality of Sanitation for Personal UV Lights
Student Presenter: * Jessica Ricchio
Faculty Sponsor: Burton Ogle

Sensitivity and Specificity of Morphological Characters to Identify Culex Quinquefasciatus as Confirmed by PCR
Student Presenter: Cody Dunlap
Faculty Sponsor: Brian Byrd

Sources of Nutrition Education & Counseling among Division I Athletes at WCU
Student Presenter: Courtney Dobner
Faculty Sponsor: April Tallant

Specificity of Concussion Special Tests
Student Presenter: * Elena Keretses
Faculty Sponsor: James Scifers

The Effect of Pulsed Shortwave Diathermy, Moist Hot Pack, and Passive Stretching on Hamstring Flexibility
Student Presenter: * Sarah McNamara
Faculty Sponsor: James Scifers

The Relationship Between Fruit and Vegetable Barriers and Use of Food Assistance Programs
Student Presenter: Ryane Greene & Jeanne Mathews
Faculty Sponsor: April Tallant

Timeliness of Football Shoulder Pad Removal
Student Presenter: Sarah Gilleland
Faculty Sponsor: Rob Dingle

School of Nursing

Chronic Myeloid Leukemia: A Review of Literature
Student Presenter: Chelsea Lowman
Faculty Sponsor: Carol Isaac MacKusick

Psychosocial Effects of Traumatic Burns: A Review of Literature
Student Presenter: Briana Rene Nicholson
Faculty Sponsor: Carol Isaac MacKusick

Monday, March 24, 2014 Presentations

College of Arts and Sciences

Anthropology and Sociology

Time: 12:20 PM Place: McKee 110

College Student Needs and Expectations regarding Campus Mental Health Services
Student Presenter: Lauren Waites
Faculty Sponsor: Kathleen Brennan

Modern Foreign Languages

Time: 11:15 Place McKee 113

El Sistema Nacional de Salud de España: A look into Spain's health care system
Student presenter: Jessica McLamb
Faculty Sponsor: Lori Oxford

Time: 4:30 PM Place: McKee 113

Cuban Healthcare and the Fight Against AIDS
Student Presenter: Kelsey Angelette Stevens
Faculty Sponsor: Lori Oxford

Forensic Anthropology and Engineering & Technology

Time: 2:00 PM Place: McKee 110

Compression Testing of Deer Femora as an Animal Model for Automobile Accidents
Student Presenter: * Jennie Coffel
Faculty Sponsor: Nicole Jastremski and Martin Tanaka

College of Business

Business Administration & Law and Sport Management

Time: 11:00 AM Place: Forsyth 115

There's No Accounting For Global Financials
Student Presenter: * Dianna N. Almond
Faculty Sponsor: Lorrie Willey

College of Education and Allied Professions

Human Services

Time: 11:15 AM Place: Reid 109

Red Barn Events: Business Plan
Student Presenter: Madison Crawley
Faculty Sponsor: Debby Singleton

Time: 11:30 AM Place: Reid 109

What Outdoor Recreation Employers Are Looking For
Student Presenter: Danielle Russell, Kayla Chipley, and Madison Crawley
Faculty Sponsor: Ben Tholkes

Time: 11:45 AM Place: Reid 109

WCU Trail System Survey
Student Presenter: Jordan Davis, Michael Milideo, and-Lance Flowers
Faculty Sponsor: Ben Tholkes

Time: 12:00 PM Place: Reid 109

Effectiveness of Environmental Education for Preschoolers
Student Presenter: Jennifer Stogner-Lee, Emily Shapiro, and Aaron Caldwell
Faculty Sponsor: Ben Tholkes

Psychology **Time: 5:30 PM Place: 1**

How Does Genetic Relatedness Affect Altruism Across Helping Scenarios?
Student Presenter: Alma Plaza-Rodriguez
Faculty Sponsor: Winford Gordon

College of Health and Human Sciences

School of Nursing

Time: 12:00 PM **Place: HHS Building 204**
Health Improvement Through Wellness Education and Tai Chi for Individuals with Serious and Persistent Mental Illness at Thrive Clubhouse
Student Presenter: Monique L. Brown, Angelina Lilly, and Hannah Gilliam
Faculty Sponsor: Elizabeth Sexton

Time: 1:00 PM **Place: HHS Building 204**
Assessment of the Sexual Health Care Education Needs of a Cherokee High School and Plans for Intervention
Student Presenter: Brittany Jones, Chasity Llewellyn, Elizabeth Blackmon, and Caroline Rooney
Faculty Sponsor: Cheryl C. Clark

Time: 1:30 PM **Place: HHS Building 204**
Health Education for a Vulnerable Population: Homeless Women and Children
Student Presenter: Kristen McGee, Megan Plotkin, and Molly Nardello
Faculty Sponsor: Elizabeth Sexton

Time: 2:15 PM **Place: HHS Building 204**
Open Door Ministries Nutrition Education and Research
Student Presenter: Chelsea Lowman, Rachelle Simons, and Emily Mannie
Faculty Sponsor: Cheryl C. Clark

Time: 2:45 PM **Place: HHS Building 204**
A HOPE Health Fair
Student Presenter: Clay Hudson, Nicholas McLean, Sarah Beth Keoleian, and James Brennan
Faculty Sponsor: Elizabeth Sexton

Time: 3:15 PM **Place: HHS Building 204**
Open Door Health Fair
Student Presenter: Susan Coffey, Andrew Ives, and Katelin Starre
Faculty Sponsor: Cheryl C. Clark

Time: 4:00 PM **Place: HHS Building 204**
Community Focused Health and Wellness Outreach Among Homeless Participating in the Veterans' Restoration Quarters Project
Student Presenter: Diego Rivera, Sharon Wallis, and Lisa Henderson
Faculty Sponsor: Elizabeth Sexton

Time: 4:30 PM **Place: HHS Building 204**
Swain County Seniors Needs Assessment
Student Presenter: Stone Altman, Macey Bright, and Patricia Earley
Faculty Sponsor: Cheryl C. Clark

College of Fine and Performing Arts

School of Art and Design

Time: 2:30 PM **Place: Fine and Performing Arts Center - Fine Art Museum**
Researching Conceptual Artists' Books for the Museum
Student Presenter: Jacob Evers and Emily Phillips
Faculty Sponsor: Seth McCormick

Tuesday, March 25, 2014 Presentations

College of Arts and Sciences

Biology

Time: 12:30 PM Place: Natural Sciences NS1

Effects from Maternal Hypothyroidism on Baby's IQ Level during Pregnancy
Student Presenter: * Merab Mushfiq
Faculty Sponsor: Joe B. Mathews

Criminology and Criminal Justice

Time: 12:30 PM Place: Belk 305

Developing a Virtual Disaster Exercise
Student Presenter: John Maitland
Faculty Sponsor: Carlie Merritt

English

Time: 11:00 AM Place: Coulter 204

A Not So Cinderella Story: Gender Inequality in Anne Sexton's "Cinderella"
Student Presenter: * Elizabeth-Ann Diehl
Faculty Sponsor: Brent Kinser

Time: 11:00 AM Place: Coulter 204

Feste of Twelfth Night: Shakespeare's Indispensable "Corrupter of Words"
Student Presenter: * Leah Rhodes
Faculty Sponsor: Brent Kinser

Time: 12:30 PM Place: Coulter 204

Dissemblance in Toni Morrison's Beloved and the Slave Narrative of Dora Franks
Student Presenter: * Catherine Stiers
Faculty Sponsor: Annette Debo

Modern Foreign Languages

Time: 6:00 PM Place: McKee 135

A Look Into Japan
Student Presenter: Tiffany Thai, Tommy Ho, and Kyle Serio
Faculty Sponsor: Masafumi Takeda

Philosophy and Religion

Time: 1:30 PM Place: Stillwell 225

Is Religion a Natural Phenomenon?
Student Presenter: Amanda Mitchell
Faculty Sponsor: Daryl Hale

Time: 2:00 PM Place: Stillwell 225

Is Justice the Right Thing To Do?
Student Presenter: * Melissa Bradley
Faculty Sponsor: Daryl Hale

Time: 2:30 PM Place: Stillwell 225

Jean Paul Sartre: Insufficient Potentiality
Student Presenter: * Allen Sewell
Faculty Sponsor: James Mclachlan

Time: 3:00 PM Place: Stillwell 225

Primum, Minima de Malis
Student Presenter: Luke Kohrman
Faculty Sponsor: Daryl Hale

Time: 3:30 PM Place: Stillwell 225

The One Ring and The Republic
Student Presenter: Esther Meeks
Faculty Sponsor: Daryl Hale

Time: 4:00 PM Place: Stillwell 225

Implications on Selfhood in Alasdair MacIntyre's After Virtue
Student Presenter: * Walker Dorsett
Faculty Sponsor: John Whitmire

Time: 4:30 PM Place: Stillwell 225

Evidence and Belief: Exploring the Relationship between Scientific and Religious Perspectives
Student Presenter: Virginia Cohen
Faculty Sponsor: Daryl Hale

Time: 5:00 PM Place: Stillwell 225

Free Slave
Student Presenter: Cassie Ebert
Faculty Sponsor: James Mclachlan

Special on Wednesday, March 26:
Time: 6:00 PM **Place: BAC 223**
Diamond and Guantanamo Bay
Student Presenter: * Mandy Long
Faculty Sponsor: Christopher Hoyt

College of Education and Allied Professions

Psychology
Time: 8:00 AM **Place: Killian 304**
Parenting Styles in Television Sitcoms
Student Presenter: Nancy Thacker
Faculty Sponsor: Bruce Henderson

College of Fine and Performing Arts

School of Music
Time: 6:00 PM **Place: Coulter 375**
John Stainer's Contributions to Sacred Music During the Romantic Era
Student Presenter: * Marquita Capparuccia Someliana-Lauer
Faculty Sponsor: Christina Reitz

Time: 6:20 PM **Place: Coulter 375**
The Female Orchestra in Auschwitz
Student Presenter: * Candace Rhodes
Faculty Sponsor: Christina Reitz

College of Health and Human Sciences

School of Health Sciences
Time: 10:00 AM **Place: HHS Building 204**
Whee Strive for 5! Interactive Nutrition Education Journey
Student Presenters: ND 340 Community Nutrition Class of Spring 2014
Audrey C. Barnes, Eric W. Campbell, Shaina R. Danner, Brandon L. Decaro, Jessica R. Effler, Genevieve A. Emrick, Carlyn S. Hagemann, Brandi L. Hall, Jerad R. Hicks, Cameron N. Kincaid, Laura E. Malanowski, Samantha L. Matthews, Brandon J. Matuszyk, Rena E. McKay, Taylor A. Miles, Heather A. Nicholson, Shayla F. Nicholson, G. Hunter Noll , David C. Norville, Katie M. Peterson, Jessica R. Robertson, Heather J. Schneider, Bernice P. Sem, Rachel A. Smoot, and Hunter N. Whitt
Faculty Sponsor: April Tallant

Undergraduate Academic Project Grants Awarded 2013-2014

Initiated by Chancellor John Bardo in 1996, the Undergraduate Academic Projects Grant Program funds a variety of student projects. The committee awarded *36* grants this year.
Members of the UAPGP Committee are:

Robert Mulligan Business
Kia Asberg .....Education and Allied Professions
Indrani Bose .....Arts and Sciences
Christina Reitz ..... Fine and Performing Arts
Sudhir Kaul ..... Kimmel School of Construction Management and Technology
Tracy Zontek..... Health and Human Sciences
Brian Railsback .....Honors College

College of Arts and Sciences

Anrthopology & Sociology

Totah Archaeological Project

Totah Archaeological Project
Student Recipient: Paige Tester
Faculty Sponsor: Dr. Anne Rogers

Biology

Independent Research

Creating a RNA Interference Library of Cryptococcus Neoformans
Student Recipient: Matthew Alexander
Faculty Sponsor: Dr. Indrani Bose

Chemistry & Physics

Sounding Balloon Research/ Development Project

"Verso l' alto" (Increase of Ionizing Radiation at the Pfotzer Maximum over the Southern Appalachians)
Student Recipient: Michele Coker
Faculty Sponsor: Dr. Enrique Gomez

Verso l'alto -Investigation of Thunderstorm Ground Enhanbcements (TGEs) and Atmospheric stratification of Terrestial Gamma-ray Flashes (TGFs) in the Southern Appalachians
Student Recipient: Michele Coker
Faculty Sponsor: Dr. Enrique Gomez

Criminology and Criminal Justice

American Society of Criminology

Are Victims Blamed for their own Victimization: Preliminary Support for a Selective Choice Theory
Student Recipient: Ashley Hemsath
Faculty Sponsor: Dr. Albert Kopak

North Carolina Criminal Justice Association Conference

A Preliminary Look at Self-Esteem among Teens: Factors and Outcomes
Student Recipient: Gina Piekarski
Faculty Sponsor: Dr. Lisa Briggs

North Carolina Criminal Justice Association Conference

An Assessment of Educational Requirements in the Field of Criminal Justice and a Preliminary Look at Student Interest in Advanced Education
Student Recipient: Charles Young
Faculty Sponsor: Dr. Lisa Briggs

North Carolina Criminal Justice Association Conference

Changes in Alcohol Laws and On Campus Offenses
Student Recipient: Keaston Evitt
Faculty Sponsor: Dr. Jamie Vaske

North Carolina Criminal Justice Association Conference

Crime Control in the Age of Technology
Student Recipient: Taylor Sennett
Faculty Sponsor: Dr. Lisa Briggs

North Carolina Criminal Justice Association Conference

Mental Disorders and Antisocial Attitudes
Student Recipient: Summer Brathwaite
Faculty Sponsor: Dr. Jamie Vaske

North Carolina Criminal Justice Association Conference

Training and Confidence: An Important Combination in Effective Disaster Response?
Student Recipient: Samantha Mungro
Faculty Sponsor: Dr. Lisa Briggs

Forensic Science Program

Determination of Mitochondrial DNA Degradation in Hair Shaft Extracts using PCR
Student Recipient: Jeff Foster
Faculty Sponsor: Erin Burnside

Geosceinces & Natural Resources

Independent Research

Effects of Hard Stabilization on a Hunting Island Salt Marsh
Student Recipient: Joel Bostic
Faculty Sponsor: Dr. Ben Tanner

Southeast Geological Society of America regional meeting

Late Pleistocene-Holocene Paleoenvironmental Study of Three Southern Appalachian Wetlands
Student Recipient: Daniel Beall, Aaron Chopp, Cullen Cogburn, Michelle Coker, Brittany Doll, Sydny Merrill, and Michael Williams
Faculty Sponsor: Dr. Benjamin Tanner

Geological Society of America Southeast Section

Use of Ground-Penetrating Radar (GPR) For Geo-archaeological Survey of Fort Sumter National Monument, South Carolina
Student Recipient: Emily Pendergrass
Faculty Sponsor: Dr. Blair Tormey

Southeastern GSA Conference

A Geometric Morphometric Study of an Upper Ordovician Trilobite Assemblage (Ampyxina powelli), Southwest Roanoke County, VA
Student Recipient: Aaron Howard
Faculty Sponsor: Dr. Michael Meyer

Southeastern GSA Conference

Effects of Hard Stabilization on a Hunting Island Salt Marsh
Student Recipient: Joel Bostic
Faculty Sponsor: Dr. Ben Tanner

GSA Southeastern Conference

How Important are TA's? Comparing Student Knowledge Retention in Online and Classroom Activities
Student Recipient: Rachel Salter
Faculty Sponsor: Dr. Michael Meyer

Mathematics and Computer Science

NC Council of Teachers of Mathematics

NC Council of Teachers of Mathematics Annual Conference
Student Recipient: Elizabeth Webster, Kriston Haynes, Sarah Martin, Deanna Minor, Adam Schrum, Candace Dillin, Zach Boyles, Michelle McDuffie, Kathryn Egloff, Annaka Lowe, Miranda Smith, Ashley Morton, Dustin Mull, Tiffany Cantrell, and Katie Ray
Faculty Sponsor: Dr. Kate Best

Mathematical Association of America

Explorations and Research in the History of Mathematics
Student Recipient: William Zac Wallace
Faculty Sponsor: Dr. Sloan Despeaux

Advertising Campaign

Smoky Mountain Undergraduate Research Conference on the History of Mathematics, VI
Student Recipient: Heather Allison and Morgan Boles
Faculty Sponsor: Dr. Sloan Despeaux

College of Business

Sport Management

College Sport Research Institute Conference

The case study of the Knight Commission: Analyzing the athletic and academic spending database for NCAA Division I to determine the justification of the patterns and trends in Division I athletic spending versus academic spending during the last several years.
Student Recipient: Brett Dalton, Daniel Crenshaw, Anthony Minnicozzi, and Allen Leone. Alternate: Liberty Cozart
Faculty Sponsor: Dr. Kadie Otto

College of Education and Allied Professions

Psychology

Southeastern Psychological Association Conference

Fixation, duration, fixation count, and color preference for reading under varying color conditions
Student Recipient: Sarah Ducharme, Joseph Toney, and Charles Warren
Faculty Sponsor: Dr. Ellen Sigler

Southeastern Psychological Association Conference

Study Habits of Greek Life Students
Student Recipient: Kelsea Watts
Faculty Sponsor: Dr. Ellen Sigler

College of Fine and Performing Arts

School of Art and Design

Exhibition on campus

Home
Student Recipient: Kendra Diaz
Faculty Sponsor: Dr. Jon Jicha

School of Music

Southeast Horn Workshop

Horn Choir Performance and Quartet Competition
Student Recipient: Justin Beebe, Henry Hoffman IV, Katelyn Johnson, Caitlyn Joyner, and Parker Walrod
Faculty Sponsor: Dr. Travis Bennett

National Association of Teachers of Singing

NATSAA National Association of Teachers of Singing Artists Award
Student Recipient: Bekka Mayen, Spencer Hughes, Beth Coffey, Joseph Coca, Austin McDowell, Jessica Nash, Mindy Knox, Brandi Moon, Hannah Day, Garrett Pace, Cameron Someliana-Lauer, and Angel Lee
Faculty Sponsor: Dr. Mary Kay Bauer

College of Health and Human Sciences

Communication Sciences and Disorders

American Speech Language Hearing Association
A Study of Learning Styles Linked to Learning the International Phonetic Alphabet
Student Recipient: Angela Chapman
Faculty Sponsor: Dr. Georgia Hambrecht

Independent Research
Improving Cognitive Function In Western NC: A Community Based Program
Student Recipient: Bree Branch and Kristin Cross
Faculty Sponsor: Dr. K. Leigh Morrow-Odom

Environmental Health Program

ASSE Region VI Research Presentations and Conference Participation
A Community Health Assessment of the Town of Auburn
Student Recipient: Ryan Michaud
Faculty Sponsor: Dr. Tracy Zontek

Hazard Analysis: Microwave Oven Leakage and Individuals with Pacemakers
Student Recipient: Melissa Kroeger
Faculty Sponsor: Dr. Tracy Zontek

Injury Analysis of Shift Work
Student Recipient: Kirstan Blender
Faculty Sponsor: Dr. Tracy Zontek

Survey of Hazardous Waste Disposal in Remote Indian Hospitals
Student Recipient: Josh Turner
Faculty Sponsor: Dr. Tracy Zontek

Independent Research
Sensitivity and specificity of morphological characters to identify Culex quinquefasciatus as confirmed by PCR
Student Recipient: Cody Dunlap
Faculty Sponsor: Dr. Brian Byrd

Design and Validation of a Novel Trapping Method to Collect Gravid Container-Inhabiting Mosquitos
Student Recipient: Marissa Taylor
Faculty Sponsor: Dr. Brian Byrd

Quality of Sanitation for Hand-Held UV Lights
Student Recipient: Jessica Ricchio
Faculty Sponsor: Dr. Brian Byrd

Althletic Training Education Program

2013 International Association of Dance Medicine and Science Conference
Foot Pain in a High School Contemporary Dancer
Student Recipient: Sara Spencer
Faculty Sponsor: Dr. Rob Dingle

North Caroling Athletic Trainers Association Annual Meeting
Establishing Specificty of Concussion Special Tests
Student Recipient: Elena Keretses
Faculty Sponsor: Dr. Jill Manners

North Caroling Athletic Trainers Association Annual Meeting
The Effect of Pulsed Shortwave Diathermy, Moist Hot Pack and Passive Stretching on Hamstring Flexibility
Student Recipient: Sarah McNamara
Faculty Sponsor: Dr. Jill Manners

North Caroling Athletic Trainers Association Annual Meeting
Unique Eye Injury in a Collegiate Soccer Player
Student Recipient: Megan Kurzec
Faculty Sponsor: Dr. Jill Manners

Southeast Athletic Trainers' Association Annual Student meeting.
A Unique Case of Sialolithiasis in a Collegiate Hockey Player
Student Recipient: Julia Plourde
Faculty Sponsor: Dr. Jill Manners

Southeast Athletic Trainers' Association Annual Student meeting.
Pancreatic Transection in a High School Soccer Player
Student Recipient: Amanda Kowaleski
Faculty Sponsor: Dr. Jill Manners

Southeast Athletic Trainers' Association Annual Student meeting.

Traumatic Knee Injury in a High School Football Player
Student Recipient: John Michael "Mikko" Ablan
Faculty Sponsor: Dr. Jill Manners

Southeast Athletic Trainers' Association Annual Student meeting.

Establishing Specificty of Concussion Special Tests
Student Recipient: Elena Keretses
Faculty Sponsor: Dr. Jill Manners

Southeast Athletic Trainers' Association Annual Student Symposium

A Unique Eye Injury in a Collegiate Soccer Player
Student Recipient: Megan Kurzec
Faculty Sponsor: Dr. Jill Manners

Southeast Athletic Trainers' Association Annual Student Symposium

A Unique Presentation of Herpes Zoster in a Collegiate Baseball Player
Student Recipient: Kelly Hoots
Faculty Sponsor: Dr. Jill Manners

Southeast Athletic Trainers' Association Annual Student Symposium

Acute Onset Foot Pain in a Ballet Dancer
Student Recipient: Sara Spencer
Faculty Sponsor: Dr. Jill Manners

Southeast Athletic Trainers' Association Annual Student Symposium

Femoral Osteochondral Defect in a 19-year old Collegiate Male Basketball Player
Student Recipient: Elizabeth Ballard
Faculty Sponsor: Dr. Jill Manners

Southeast Athletic Trainers' Association Annual Student Symposium

Insidious Onset Hand Pain in a Collegiate Volleyball Player
Student Recipient: Kyra Dodson
Faculty Sponsor: Dr. Jill Manners

Southeast Athletic Trainers' Association Annual Student Symposium

Pancreatic Transection in a High School Soccer Player
Student Recipient: Amanda Kowaleski
Faculty Sponsor: Dr. Jill Manners

Southeast Athletic Trainers' Association Annual Student Symposium

Slipped Capital Femoral Epiphysis in a Female Collegiate Golfer
Student Recipient: Katie Bradley
Faculty Sponsor: Dr. Jill Manners

Southeast Athletic Trainers' Association Annual Student Symposium

The Effect of Pulsed Shortwave Diathermy, Moist Hot Pack and Passive Stretching on Hamstring Flexibility
Student Recipient: Sarah McNamara
Faculty Sponsor: Dr. Jill Manners

Nutrition and Dietetics Program

WHEE Strive for 5!

WHEE Strive for 5! Interactive Nutrition Education
Student Recipient: Katie Peterson, Brandon Matuszyk, David Norville and Heather Nicholson
Faculty Sponsor: Dr. April Tallant

Kimmel School and Arts and Sciences

Department of Engineering & Technology and Department of Anthropology & Sociology - Independent Research

Compression Testing of Deer Femora as an Animal Model for Automobile Accidents
Student Recipient: Jennie Coffel
Faculty Sponsor: Drs. Martin Tanaka and John Williams

Honors College International Study Grants

These grants are possible due to a fund established by Honors College Advisory Board members E.J. Tarbox and Mark and Kathy Whitehead in 2010.

Study Abroad - Italy (Lorenzo de Medici)
Student: Elizabeth Pratt

Study Abroad - Japan
Student: Brenda Kaplan

Study Abroad - France
Student: Kayla Layden

Study Abroad - Japan
*Student: Sean Facello**

Study Abroad - Netherlands
Student: Yuka Lopez

Study Abroad - Costa Rica
Student: Tracy Ramos

Study Abroad - Germany
Student: Leela Livis

Study Abroad - Italy (Lorenzo de Medici)
Student: Michelle Barborich

Study Abroad - Netherlands
Student: Virginia Cohen

Study Abroad - Japan
Student: Sarah MacCall

Honors College Board and Honors Staff
congratulate the recipient of the

2014 RODIN Award:

Dr. Jamie Vaske

Assistant Professor of Criminology and Criminal Justice

The RODIN recognizes faculty members who have supported undergraduate research at Western Carolina University by sponsoring student work in a variety of ways, including the Undergraduate Expo, the National Conference on Undergraduate Research, and Academic Project Grants.

Dr. Vaske's Statement:

"I cast a wide net on undergraduate research from making it a requirement in some of my classes to allowing ideas to organically arise from conversations with students. There are two reasons for this approach. First, widespread commitment to undergraduate research is not something that is embraced at all universities, but is only offered to the "top" students. I want all of my students to have the opportunity to develop research skills and WCU is an institution that wholly supports this vision through research expos such as this one and through undergraduate research grants available through the Honors College and Office for Undergraduate Studies. Second, I recognize that many students are not aware that they may enter into graduate school or upper level administration at this point in their development. Yet, I know that research skills and knowledge of evidence based practices is a must for these positions; thus even if they do not relish and enjoy the aspects of undergraduate research (which I hope they do), I am helping them through this for their future selves."

Western Carolina University Honors College

The Honors College Medallion

To commemorate the tenth anniversary of The Honors College, the student Board of Directors led the creation of a College medallion. The first medallion, featuring a pen and ink rendering of Reynolds Hall—the first home of The Honors College–was in use from 2007 to 2011. The new medallion, featuring the new residences for The Honors College—Balsam and Blue Ridge Halls–was illustrated by Asheville artist Lee Panthas and the graphic design was completed by Loretta Adams and Rubae Schoen. The medallion is worn at Commencement by students who complete the Honors curriculum, the dean, and in rare cases by special friends of The Honors College. The medallion replaced the purple cord Honors graduates had worn at commencements since 1997.

Dr. Brian E. Railsback, Dean
Emily A. Sharpe, Director of Honors Advising and Pre-Professional Programs
Bonnie J. Beam, Executive Assistant

Western Carolina University 125 YEARS

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