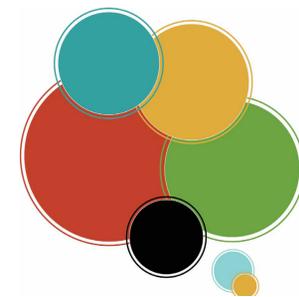


UNDERGRADUATE RESEARCH DAY

for those wishing to excel in scholarly and creative enterprises outside of their classes

APRIL 10, 2012



BUSINESS AND ECONOMICS

APPROACHES THE UW-SYSTEM EMPLOY TO RECRUIT UNDERREPRESENTED FACULTY AND STAFF

Student(s): Shaquana A. Smith
Mentor(s): Steven Guo

CENTRALIZING QUICK RESPONSE (QR) CODES FOR ENHANCING MOBILE COMPUTING SECURITY

Student(s): Nick W. Baldwin
Mentor(s): Li-Chung Roger Yin

CERTIFICATES OF DEPOSIT: NORMAL OR INFERIOR GOOD?

Student(s): Neil Lockwood
Mentor(s): Russell Kashian

CHRISTIANITY AND CRIME: A STUDY ON RELIGIOSITY'S IMPACT ON CRIME RATES

Student(s): Kyria Smith
Mentor(s): David Welsch

DETERMINANTS OF BEST TRADESHOW PRACTICES

Student(s): Christopher D. Brooks
Mentor(s): Jeff Vanervenhoven

DETERMINANTS OF PERSISTENCE IN CYCLICAL UNEMPLOYMENT: A BRIEF EMPIRICAL EXPLORATION

Student(s): Steven Rockwell
Mentor(s): Yamin Ahmad

DOES A HIGH PERCENTAGE OF JEWISH ADHERENTS IN A COUNTY AFFECT INCOME EQUALITY?

Student(s): Taylor Warden
Mentor(s): David Welsch

DOES THE GENDER COMPOSITION OF EXECUTIVE BOARDS AFFECT CORPORATE PROFITS?

Student(s): Jaeger Nelson
Mentor(s): David Welsch

IMPACT OF STUDY ABROAD EXPERIENCES ON STUDENTS AT A FOUR-YEAR PUBLIC UNIVERSITY

Student(s): Milliam Lor
Mentor(s): Roger Yin

LOOKING LONG-TERM: USING LINEAR PROGRAMMING MODELS TO EXPLICATE SOCIALLY RESPONSIBLE DECISION-MAKING

Student(s): Michael Caruso
Mentor(s): William Dougan

MINNESOTA'S OPEN ENROLLMENT PROGRAMS EFFECT ON STUDENT PERFORMANCE

Student(s): Michael Babington
Mentor(s): David Welsch

PEARSON MARKETING CAMPAIGN. YES! REALLY!

Student(s): Brian Madison, Cortni Brader, Megan Theune, Laura Gariepy, Jake Struck
Mentor(s): Carol Scovotti, Pavan Chennamaneni, Jimmy Peltier

SHAREPOINT 2010 FOR COLLABORATION AND DOCUMENTATION STORAGE

Student(s): Matthew K. Granum
Mentor(s): Christina Outley

THE EFFECTS OF CASINOS ON WISCONSIN COMMUNITIES

Student(s): Mitchell Klink
Mentor(s): David Welsch

THE EFFECTS OF TAVERNS AND LIQUOR LICENSES ON TRAFFIC SAFETY

Student(s): Margo Lang
Mentor(s): David Welsch

THE PATHWAY TO ECONOMIC STABILITY FOR HONG KONG COLLEGE STUDENTS

Student(s): Melissa Vue
Mentor(s): Steven Guo

UNIVERSAL HEALTHCARE COVERAGE UNABLE TO SURVIVE IN THE UNITED STATES

Student(s): Megan Stevens
Mentor(s): Jerry Gosenpud

ARTS AND COMMUNICATIONS

A CONTENT ANALYSIS OF NEWS STORIES ON A NATIONAL EATING DISORDER WEBSITE

Student(s): Heather Bughman
Mentor(s): Ray Baus

AFRICAN AMERICAN VISUAL ARTIST: HOW THEY CAN BECOME NATIONAL FIGURES

Student(s): Arie Montgomery
Mentor(s): Greg Porcuro

CONNECTIONS BETWEEN UW-WHITEWATER STUDENT HEALTH LITERACY LEVELS AND OTHER HEALTH-RELATED VARIABLES

Student(s): Anne O. Servais
Mentor(s): Ray Baus

EXPLORING THE USE OF COMMERCIALLY MANUFACTURED UNDERGLAZES ON UTILITARIAN CERAMIC WARE

Student(s): Michael Kern
Mentor(s): Jared Janovec

EXPLORING THE USE OF RARE EARTH METAL OXIDES IN TRANSPARENT GLAZES IN RELATIONSHIP TO CERAMIC SURFACE DEVELOPMENT

Student(s): Chanda L. Droske
Mentor(s): Jared Janovec

EXPLORING WSMA MUSIC FESTIVAL SAXOPHONE REPERTOIRE

Student(s): Nicole Heilig
Mentor(s): Matthew Sintchak

HOME MANUFACTURING WATERCOLOR PAINTS

Student(s): Rachel A. Walling
Mentor(s): Gregory Porcuro

HOW WORKPLACE STRESS AFFECTS TEACHERS

Student(s): Abby Schneider
Mentor(s): Ray Baus

INTERGENERATIONAL INVESTIGATION WITH HIGH SCHOOL ART STUDENTS

Student(s): Alison Bailey, Kelley Morrison
Mentor(s): Teresa Faris

JAPANESE CONTEMPORARY CLASSICAL SAXOPHONE MUSIC

Student(s): Emily Van Veen
Mentor(s): Matthew Sintchak

LA MUSICA LIRICA: AN OPERATIC EXPERIENCE

Student(s): Ryan White
Mentor(s): Brygida Bziukiewicz-Kulig

MICRO-CRYSTALLINE GROWTH IN CERAMIC HIGH FIRE GLAZES

Student(s): Kylie Hendrix
Mentor(s): Charles Olson

MOKUMÉ GANE: PATTERNS EXPLORATION

Student(s): Neta Ron
Mentor(s): Michael J. Banning

MUSIC FOR PERCUSSION AND ELECTROACOUSTIC SOUND, UTILIZING NON-TRADITIONAL SOLO INSTRUMENTS

Student(s): Nick Fox
Mentor(s): Jeff Herriott

MUSICAL PARTICIPATION AND THE CORRELATION BETWEEN SOCIO-ECONOMIC STATUS AND ACADEMIC STANDING

Student(s): Alena Holmes
Mentor(s): Cortney C. Netzel, Gustavo Chaviano

NARRATIVES OF THE TRANSGENDER EXPERIENCE

Student(s): Katka L. Showers-Curtis
Mentor(s): Corey B. Davis

NORTHERN EXPOSURE TO DANCE

Student(s): Kelly Kachelski
Mentor(s): Barbara Grubel

PREPARATION, PRACTICE AND PERFORMANCE OF AUDITION MATERIAL

Student(s): Jennifer Samson, Jake Lesh, Sarah Stokes, Allison Blair, Anthony Stachowski, Marcus Cunningham, Aly Ruge
Mentor(s): Jim Butchart

"REMIND ME"

Student(s): Rachel Christian
Mentor(s): Teresa Faris

THE CHOREOGRAPHIC PROCESS THROUGH THE EYES OF THE DANCER

Student(s): Whitney Geallis, Justin Nothem, Mackenzie Nilsen, Emma Raymond, Brienna Schenck, Jordan Sterling, UW-Whitewater Dance Program Dancers
Mentor(s): Barbara Grubel

THE INTERACTION BETWEEN PATINAS AND EMOTIONS

Student(s): Beth L. Zarden-Benson
Mentor(s): Teresa Faris

THE THREEPENNY OPERA

Student(s): H. Erin Quist
Mentor(s): Jim Butchart

THE VOICE OF AUTISM

Student(s): Anna M. Brittnacher
Mentor(s): Barbara Grubel

VISUAL ARTS IN AFRICAN AMERICAN COMMUNITIES

Student(s): DeJuan Mason
Mentor(s): Michael Flanagan

EDUCATIONAL AND PROFESSIONAL STUDIES

AFRICAN AMERICAN AND CAUCASIAN MOTHERS: A BI-RACIAL DILEMMA

Student(s): Bridgette C. Jordan
Mentor(s): Richard Mason

AN INTROSPECTIVE STUDY OF THE OCCUPATIONAL SAFETY PROFESSION THROUGH A CRITICAL LITERATURE REVIEW

Student(s): Sarah A. Neudeck, Max R. Hey, Matthew F. Squire
Mentor(s): Todd W. Loushine

DIGITAL NATIVES LEADING THE WAY FOR 21ST CENTURY LEARNERS?

Student(s): Kelly Jones
Mentor(s): Andrea Maxworthy-O'Brien

EFFECTS OF OBESITY ON THE CONSTRUCTION INDUSTRY

Student(s): Sampson R. Hauser
Mentor(s): Sang D. Choi

HOW DO COLLEGE STUDENTS IDENTIFY THEMSELVES IN THE GLOBALIZED WORLD?

Student(s): Hanaka Yamada
Mentor(s): Katrina Liu

INCREASING RETENTION FOR MINORITY STUDENTS AT UW-WHITEWATER

Student(s): Maria A. Macias
Mentor(s): Katrina Liu

INTEGRATED CURRICULUM IN KINDERGARTEN CLASSROOMS: IDEOLOGY AND PRACTICE

Student(s): Erica A. Kletstad
Mentor(s): Lucinda Heimer

STUDY OF MUSCULOSKELETAL RISKS OF THE OFFICE-BASED SURGERIES

Student(s): James Hermanson
Mentor(s): Sang D. Choi

WHAT DEFINES THE SAFETY PROFESSION AND ITS PRACTICES? A SURVEY OF UPPER-MIDWEST SAFETY PROFESSIONALS

Student(s): Andrew J. Griepentrog
Mentor(s): Todd W. Loushine

MISCELLANEOUS

DEVELOPMENT OF VETERINARY SURGICAL TEACHING MODELS

Student(s): Katharine E. Hausmann
Mentor(s): Dean Hendrickson, Fausto Bellezzo

MARKET STUDY OF PARKS AND RECREATION DEPARTMENTS' REGISTRATION PROCEDURES

Student(s): Gregory Heal, Eli Kosanovich
Mentor(s): Choton Basu, Seth Meisel

REGIONAL ECONOMIC DEVELOPMENT BEST PRACTICES

Student(s): Micah Buggs, Alyssa Kubishak
Mentor(s): Denise Ehlien and Ryan Pingel

THE BEST PRACTICES IN BUSINESS INCUBATION

Student(s): Talia Schutz
Mentor(s): Denise Ehlien

THE EFFECT OF ETS-1 GENE EXPRESSION ON BREAST CANCER SENSITIVITY TO DOXORUBICIN AND VINBLASTINE CHEMOTHERAPY

Student(s): Katharine E. Hausmann
Mentor(s): Dawn Duval, Brain Kalet

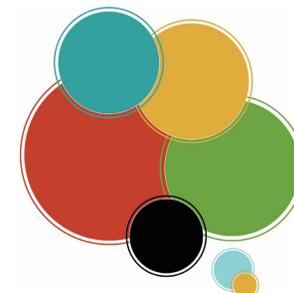


UNIVERSITY OF WISCONSIN
WHITEWATER

UNDERGRADUATE RESEARCH DAY

for those wishing to excel in scholarly and creative enterprises outside of their classes

APRIL 10, 2012



LETTERS AND SCIENCES

COMMODYING CULTURE: HAS TOURIST EXPECTATIONS HOMOGENIZED CHINATOWN'S IDENTITY AND TRANSFORMED ITS CULTURE INTO AN OBJECT FOR CONSUMPTION?

Student(s): Monica K. Wilson
Mentor(s): Jeffery Zimmerman

COMPARATIVE ANALYSIS OF PERMIAN GASTROPOD FAUNAS OF THE EASTERN KLAMATH MOUNTAINS, CA AND THE PINE FOREST RANGE, NV

Student(s): Rhiannon J. LaVine
Mentor(s): Rex A. Hanger

CORONA PLASMA AND COATING OF METALS

Student(s): David Carroll
Mentor(s): Jaial Nawash

CROSS CULTURAL PERCEPTIONS OF DEPRESSION

Student(s): Cristal Solorzano
Mentor(s): Shen Zhang

DESIGNING AN "AMERICAN COMICS AS LITERATURE" COURSE

Student(s): Mark Bannon
Mentor(s): Janine Tobeck

DETECTION OF RHYTHMIC GENE EXPRESSION IN THE EMBRYONIC HEART OF XENOPUS LAEVIS

Student(s): Morgan R. Hadley
Mentor(s): Kristen L. Curran

DETERMINING A ROLE FOR XBML1 AND XNOCTURNIN IN SOMITOGENESIS OF XENOPUS LAEVIS

Student(s): Gail B. Willadsen, Nicole M. Johnson
Mentor(s): Kristen L. Curran

DETERMINING HOW A HIBERNATOR (MARMOTA MONAX) RESPONDS TO TEMPERATURE CHANGES DURING THE SUMMER EUTHERMIC PHASE

Student(s): Troy Hughes
Mentor(s): Brett Woods

DNA BINDING ACTIVITY OF THE DAF-16/ FORKHEAD DOMAIN PROTEIN IN THE PARASITIC NEMATODE BRUGIA MALAYI

Student(s): Peter Sackett
Mentor(s): Kirsten Crossgrove

EFFECTS OF BHA AND BENZOPHENONE ON A MODEL LAND PLANT, ARABIDOPSIS THALIANA

Student(s): Marie Nider, Emmanuel Higgins
Mentor(s): Catherine Chan

EFFECTS OF HIGH VOLUME PHARMACEUTICALS ON ARABIDOPSIS THALIANA

Student(s): Michelle M. Storage
Mentor(s): Catherine Chan

EFFECTS OF SELECT PHARMACEUTICAL AND PERSONAL CARE PRODUCTS ON ARABIDOPSIS THALIANA

Student(s): Ashley L. Redinger
Mentor(s): Catherine Chan

ENGLISH AND ECONOMIC OPPORTUNITIES FOR OAXACA TRANSNATIONALS

Student(s): Gisela H. Sanchez-Lopez
Mentor(s): Susan Huss-Lederman

ENVIRONMENTAL EFFECTS ON PIG DNA DEGRADATION OVER TIME

Student(s): Choua Yang
Mentor(s): Peter Killoran

EXPRESSION AND PURIFICATION OF CXCL5, THE CAUSATIVE AGENT BEHIND SUNBURN'S PAIN

Student(s): Emily R. Lackner
Mentor(s): Christopher T. Veldkamp

EXTRA-CURRICULAR ACTIVITIES AND THEIR EFFECT ON COLLEGE PREPARATION

Student(s): Anthony Richardson Jr.
Mentor(s): Jolly Emrey

FABRIC AND WHOLE ROCK ANALYSES OF SHEARED GRANITIC ROCK SAMPLES M1002-A AND M1002-B FROM MOUNTAIN, WISCONSIN

Student(s): Brittany J. Saylor, J. Casey Stencil
Mentor(s): Michael A. DeVasto, Prajukti Bhattacharyya

FORENSIC ANALYSIS OF HAIR DEGRADATION AND DNA EXTRACTION SUCCESS IN TWO SOIL DEPTHS

Student(s): Anna M. Smith
Mentor(s): Kirsten Crossgrove

GENETICALLY MODIFIED FOOD AND ITS POTENTIAL EFFECTS ON MAMMALS

Student(s): Khava J. Ebner
Mentor(s): Eric Michael Bratsolis Brown

HETEROGENEOUS CATALYST FOR SELECTIVE REDUCTION OF NITRO COMPOUNDS IN AQUEOUS MEDIA

Student(s): Margaret Legan
Mentor(s): Hephzibah Kumpaty and Pravin Likhari

HISTORIC ANNUAL DISTRIBUTION AND EXPANSION OF THE MOUNTAIN PINE BEETLE IN ROCKY MOUNTAIN NATIONAL PARK

Student(s): Kayla R. Kurtz
Mentor(s): Thomas Jeffery

HOUSEWORK CONTRIBUTION BY HIGH SCHOOL CHILDREN: A SOCIOLOGICAL ANALYSIS

Student(s): Amanda L. Eingen
Mentor(s): Akiko Yoshida

HOW LONG WILL I BE COUNTING?: TESTING THE DIFFERENCE BETWEEN MNI AND NISP COUNTING METHODS IN VERTEBRATE PALEOECOLOGY.

Student(s): Nicole Braun
Mentor(s): Rex Hanger

INFERRING THE EVOLUTIONARY HISTORY OF INFLUENZA TYPE B THROUGH COMPARATIVE ANALYSIS OF WHOLE PROTEOMES

Student(s): Seth Kemmeter, Harley Pyles, Maressa Nazari
Mentor(s): Robert Kuzoff

INFLUENCE OF WASTEWATER TREATMENT PLANT DISCHARGE ON REPRODUCTION AND VITELLOGENIN CONCENTRATIONS IN CAGED FATHEAD MINNOWS (PIMEPHALES PROMELAS)

Student(s): Lisa A. Griffin
Mentor(s): Elisabeth A. Harrahy

INVESTIGATING DEEP PHYLOGENETIC RELATIONSHIPS AMONG INFLUENZA A LINEAGES

Student(s): Harley Pyles, Seth Kemmeter, Maressa Nazari
Mentor(s): Robert Kuzoff

LACK OF A STANDARD: AN INVESTIGATION OF PUBLIC SCHOOL DISTRICT BULLYING POLICIES

Student(s): Katherine A. Zeininger
Mentor(s): Jennifer Flad

LIFE EXPERIENCES IMPACTING HONG ATTENDING FOUR-YEAR UNIVERSITIES

Student(s): Choua Khang
Mentor(s): Susan Huss-Lederman

MECHANISTIC INVESTIGATION OF NAZAROV CYCLIZATION REACTION CATALYZED BY PALLADIUM(0) COMPLEXES

Student(s): Garrett J. Francis, Alexander J. Steeno
Mentor(s): Tulay A. Atesin

MEDIA BIAS?: A COMPARATIVE ANALYSIS OF POSSIBLE GENDER AND IDEOLOGICAL BIAS IN AMERICA'S MOST WIDELY-CIRCULATED NEWSPAPERS

Student(s): Stephanie A. Abbott
Mentor(s): Lawrence Anderson

NEIGHBORHOOD TRANSFORMATION AND A NEW NEIGHBORHOOD TYPOLOGY FOR MILWAUKEE: A DETAILED SPATIAL ANALYSIS OF DEMOGRAPHIC AND RACIAL CHANGE USING THE 2000 AND 2010 CENSUS DATA

Student(s): Sara Metcalf
Mentor(s): Jeffery Zimmerman

ON BEING HAPPY AND MISTAKEN: REVISITING FORGAS' (1998) MOOD-BIAS RESULTS

Student(s): Jessica A. Cook
Mentor(s): Dan Stalder

OXYGEN CONSUMPTION COMPARISON FOR HIBERNATING JUVENILE AND ADULT MARMOTS (MARMOTA MONAX)

Student(s): Douglas R. Lyke, Troy A. Hughes
Mentor(s): Brett Woods

PERCEPTION OF IDEALIZED RELATIONSHIPS AMONG YOUNG ADULTS

Student(s): Maryam R. Polley
Mentor(s): Akiko Yoshida

PRESS REPORTING ON U.S. COVERT INTERVENTION IN THE MIDDLE EAST AND CENTRAL AMERICA DURING THE 1950S

Student(s): Jason S. Parry
Mentor(s): Mark Boulton

RESCUE OF CAENORHABDITIS ELEGANS DAF-9 WITH BRUGIA MALAYI DAF-9

Student(s): Robert Langenhiel
Mentor(s): Kirsten Crossgrove

SECTARIAN VIOLENCE IN SCOTLAND'S "OLD FIRM" SOCCER RIVALRY AND ITS RELATION TO INTERNATIONAL CONFLICT

Student(s): Jonathan S. Schaefer
Mentor(s): Mark Boulton

SIMULATED WASTEWATER TREATMENT CHLORINATION OF TYLOSIN

Student(s): Caleb D. Frost
Mentor(s): Paul House

SIMULATED WASTEWATER TREATMENT OF ESTRONE

Student(s): Paul Knebel
Mentor(s): Paul House

SIMULATED WASTEWATER TREATMENT OF ROXITHROMYCIN

Student(s): Keiva Coppage
Mentor(s): Paul House

SPATIAL AND TEMPORAL VARIABILITY OF WATER QUALITY IN THE WHITEWATER CREEK WATERSHED, WHITEWATER, WI

Student(s): Hagen Kaczmarek
Mentor(s): Dale Splinter

SPATIAL AND TEMPORAL VARIATION IN DIVERSITY OF PLEUROCID GASTROPODA AND OTHER BENTHIC MACROINVERTEBRATE FAUNA, MUKWONAGO RIVER, WISCONSIN

Student(s): Kristie L. Hansen
Mentor(s): Rex Hanger

SPATIAL AND TEMPORAL VARIATIONS OF VOLCANIC MATERIALS AT MT. UNZEN, KYUSHU, JAPAN

Student(s): Heather McFarlin, Rhiannon LaVine
Mentor(s): John Ejnik, Prajukti Bhattacharyya

SPECTROSCOPY STUDIES OF HETEROCYCLIC COMPOUNDS AND THEIR AROMATICITY

Student(s): Cristina Jonsson-Hurtado
Mentor(s): Hassimi Traore

TESTING D1 AND D2 DOPAMINE RECEPTOR DISTRIBUTION IN THE NUCLEUS ACCUMBENS AND SUBLENTICULAR EXTENDED AMYGDALA

Student(s): Kyle A. Wutrich, Wesley R. Zweifelhofer
Mentor(s): Meg Waraczynski

TESTING D1 DOPAMINE RECEPTORS AND GLUTAMATE COMBINED EFFECTS ON BRAIN STIMULATION REWARD IN THE EXTENDED AMYGDALA

Student(s): Michele M. Stoehr
Mentor(s): Meg Waraczynski

THE IMPACT OF BARBERSHOPS IN AFRICAN AMERICAN COMMUNITIES

Student(s): Trevon L. Tucker
Mentor(s): Holly Denning

THE IMPACT OF COMIC BOOK MOVIES IN THE PAST DECADE

Student(s): Shia Lee
Mentor(s): Tanya Kam

THE MATHEMATICAL MESSAGE OF LEWIS CARROLL'S ALICE BOOKS

Student(s): Justin Brockmann
Mentor(s): Thomas Drucker

THE ROLE OF STUDENT ORGANIZATION IN HATE CRIME REPORTING ON COLLEGE CAMPUSES

Student(s): Reid Dickerson
Mentor(s): Susan Johnson

THE SYNTHESIS OF CHRYSIN AND COUMARIN DERIVATIVES

Student(s): Natalie Huss
Mentor(s): S. Chandrasekhar, Hephzibah Kumpaty

TOXICITY OF A MIXTURE OF TRICLOCARBAN AND ACETAMINOPHEN TO TWO WATER FLEAS, DAPHNIA MAGNA AND CERIODAPHNIA DUBIA

Student(s): Michael L. Laursen
Mentor(s): Elisabeth A. Harrahy

WHALE PHYLOGENY AS AN EXPORTABLE TEACHING TOOL

Student(s): Melissa Schober, Seth Kemmeter, Vernelle Trueth
Mentor(s): Robert Kuzoff

WOODCHUCKS AND HIBERNATION

Student(s): Darrian B. Slater
Mentor(s): Brett Woods

WOODCHUCKS AND TEMPERATURE VARIATION DURING HIBERNATION

Student(s): Rachel R. Robinson
Mentor(s): Brett Woods



UNIVERSITY OF WISCONSIN
WHITEWATER