## PROGRAM

### 8:00-9:30 AM
#### OP 2111

**SESSION 1**

**PAPERS: BUSINESS AND ACCOUNTANCY DIVISION**

Presiding: Dr. Jason Lin, Professor of Business Administration

<table>
<thead>
<tr>
<th>Time</th>
<th>Paper #</th>
<th>Title</th>
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<tbody>
<tr>
<td>8:00</td>
<td>1-1</td>
<td>ALICIA M. BUSSE&lt;br&gt;Dr. John Perrachione, Faculty Mentor&lt;br&gt;Generalizability and Representativeness of Probability and Nonprobability Samples: A Content Analysis of Marketing Research Textbooks and Survey Results from Marketing Research Practitioners</td>
</tr>
<tr>
<td>8:15</td>
<td>1-2</td>
<td>BRIAN D. KRUPICH&lt;br&gt;Dr. Andrew Mun, Faculty Mentor&lt;br&gt;International Stock Market Correlations before and after September 11: A Case Study of the DJIA, FTSE, DAX and NIKKEI</td>
</tr>
<tr>
<td>8:30</td>
<td>1-3</td>
<td>CHI N. LE&lt;br&gt;Dr. Jason Lin, Faculty Mentor&lt;br&gt;The Vietnamese Stock Market: An Essential Move toward An Open Economy</td>
</tr>
<tr>
<td>8:45</td>
<td>1-4</td>
<td>NICHOLAS J. SCHANDLER&lt;br&gt;Dr. Jason Lin, Faculty Mentor&lt;br&gt;A Test of the &quot;Efficient Market Hypothesis&quot; - Some Evidence from Stock Market Crashes</td>
</tr>
<tr>
<td>9:00</td>
<td>1-5</td>
<td>IMRAN K. JAMAL&lt;br&gt;Dr. Jason Lin, Faculty Mentor&lt;br&gt;The Unification of Europe and its Effects on the U.S., Europe and World Economy</td>
</tr>
<tr>
<td>9:15</td>
<td>1-6</td>
<td>JANETA TAKHTAMISHEVA&lt;br&gt;Dr. Pyung Han, Faculty Mentor&lt;br&gt;E-commerce Development Issues in Russia: Consumer’s Perspective</td>
</tr>
</tbody>
</table>

### 8:00-9:30 AM
#### OP 2113

**SESSION 2**

**PAPERS: EDUCATION DIVISION – Counseling**

Presiding: Dr. Christopher J. Maglio, Associate Professor of Counseling

<table>
<thead>
<tr>
<th>Time</th>
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<td>8:00</td>
<td>2-1</td>
<td>Athletic Retirement after High School and its Effects on Self-Esteem</td>
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<td>8:15</td>
<td>2-2</td>
<td>Children’s Development of Explanatory Style and Perceptions of Person Control</td>
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<td>8:30</td>
<td>2-3</td>
<td>Effects of Childhood Sexual Abuse on Parenting Style</td>
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<td>8:45</td>
<td>2-4</td>
<td>The Impact of Religiosity on the Attitudes, Behaviors, and Emotional Outcomes of Premarital Sex among College Students</td>
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<td>9:00</td>
<td>2-5</td>
<td>White College Students’ Racial Identity Development at a Public Liberal Arts University</td>
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<td>9:15</td>
<td>2-6</td>
<td>Predicting Students’ Satisfaction with Peer Helpers: An Examination of Three Factors</td>
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**8:00-9:00 AM**  
**OP 1393, Performance Hall**  
**SESSION 3**  
**PERFORMANCES: FINE ARTS DIVISION – Undergraduate Performances in Music**  

Presiding: Dr. Randy Smith, Associate Professor of Music

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Presenter</th>
<th>Faculty Mentor</th>
<th>Abstract</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00</td>
<td>3-1</td>
<td>Eugene Bozza’s <em>Concertino for Alto Saxophone and Orchestra</em>: A Short Lecture and a Performance by Jose A. Zayas-Caban, saxophone, and Lauren Sappington, piano</td>
<td>JOSE A. ZAYAS-CABAN* and LAUREN SAPPINGTON</td>
<td>Dr. Randy Smith, Faculty Mentor</td>
<td>Eugene Bozza’s <em>Concertino for Alto Saxophone and Orchestra</em>: A Short Lecture and a Performance by Jose A. Zayas-Caban, saxophone, and Lauren Sappington, piano</td>
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<tr>
<td>8:20</td>
<td>3-2</td>
<td></td>
<td>CASSIE FOX</td>
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</table>
Dr. Randy Smith, Faculty Mentor
Georg Phillip Telemann’s Sonata No. 4 for Two Violins, Flutes or Recorders: A Short Lecture on Baroque Performance Practice and a Performance of the Duet on Alto Saxophone by Cassie Fox and Dr. Randall Smith

8:40  3-3  ALFREDO SANTA ANA
Dr. Warren Gooch, Faculty Mentor
Refreshing Sound: A Contemporary Approach to Compositional Techniques of Electronic Music

8:00-9:30 AM  OP 2210
SESSION 4
PAPERS: FINE ARTS DIVISION – Contemporary Issues in Art and Art History

Presiding: Dr. Sara Orel, Associate Professor of Art

8:00  4-1  MELISSA A. WHITWAM*, KIT L. NEUMANN
Dr. Susan Shoaff, Faculty Mentor
The Collaborative Process in Art

8:15  4-2  MARILYN ROSA CYRIAC
Dr. Julia DeLancey and Dr. Sara Orel, Faculty Mentors
The Relation of Past and Present Truman State University Architecture and its Various Institutional Missions

8:30  4-3  CATHERINE M. PERRINE
Dr. Julia Delancey and Dr. Sara Orel, Faculty Mentors
On the Cover: Images of Women in Popular Magazines during the Ratification of the Nineteenth Amendment in America

8:45  4-4  KELLI D. LUZADER
Dr. Julia DeLancey and Dr. Sara Orel, Faculty Mentors
Hagia Sophia: An Architectural Treasure

9:00  4-5  MARGARET N. CLARK
Dr. Julia DeLancey and Dr. Sara Orel, Faculty Mentors
Classical Greek Female Virtue: Expressions and Interactions of an Ideal

9:15  4-6  MATTHEW E. IRISH
Dr. Julia DeLancey and Dr. Sara Orel, Faculty Mentors
The Price of Painting the Bourgeoisie: Sargent’s Madame X
### Session 5

**PAPERS: HUMAN POTENTIAL AND PERFORMANCE DIVISION – Body Composition**

Presiding: Dr. Jerry Mayhew, Associate Professor of Health and Exercise Science

<table>
<thead>
<tr>
<th>Time</th>
<th>Paper Number</th>
<th>Title</th>
<th>Authors</th>
<th>Mentors</th>
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<tbody>
<tr>
<td>8:00</td>
<td>5-1</td>
<td>ANNA M. UHLRICH* and MEGAN R. HAFFEY Differences in Percent Fat Estimates as Determined by Various Skinfold Equations</td>
<td>Dr. Jerry Mayhew, Faculty Mentor</td>
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<td>8:15</td>
<td>5-2</td>
<td>LEAH C. ZIDON Reliability of Skinfold Measurements for Female Track Athletes</td>
<td>Dr. Jerry Mayhew, Faculty Mentor</td>
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<tr>
<td>8:30</td>
<td>5-3</td>
<td>SEAN R. WILSON Inter-tester Reliability for Skinfolds in the Prediction of Percent Fat</td>
<td>Dr. Jerry Mayhew, Faculty Mentor</td>
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<td>8:45</td>
<td>5-4</td>
<td>ERIC D. O’BRIEN Body Mass Index and Percent Fat Trends Over the Last 25 Years</td>
<td>Mrs. Mary Lou Cole and Dr. Jerry Mayhew, Faculty Mentors</td>
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<td>9:00</td>
<td>5-5</td>
<td>ABBIE E. SMITH Skinfold Reliability Investigation on Large Male Athletes</td>
<td>Ms. Evonne Bird and Dr. Jerry Mayhew, Faculty Mentors</td>
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<tr>
<td>9:15</td>
<td>5-6</td>
<td>KRISTEN P. WARGIN* and MARY MEYER Survey of Body Fat Assessment in Missouri Colleges</td>
<td>Dr. Beverly Tremain (KCOM), Faculty Mentor</td>
<td></td>
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### Session 6

**PAPERS: HUMAN POTENTIAL AND PERFORMANCE DIVISION – Exercise Physiology**

Presiding: Dr. Alexander Koch, Assistant Professor of Health and Exercise Science

<table>
<thead>
<tr>
<th>Time</th>
<th>Paper Number</th>
<th>Title</th>
<th>Authors</th>
<th>Mentors</th>
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<tbody>
<tr>
<td>8:00</td>
<td>6-1</td>
<td>BRITNI N. BUFORD The Effects of “GAKIC” (Amino-Keto Acid Blend) on Repeated Sets of Anaerobic Cycling</td>
<td>Dr. Alex J. Koch, Faculty Mentor</td>
<td></td>
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</tbody>
</table>
8:15  **6-2**  ALISON M. BLYTH* and NICHOLAS A. GREINER
Dr. Alex J. Koch, Faculty Mentor
Carbohydrate Ingestion does not Influence Lymphocyte Blastogenesis following Acute Resistance Exercise

8:30  **6-3**  AMANDA D. WHERRY^  
Dr. Alex J. Koch, Faculty Mentor  
Decreased Salivary Immunoglobulin A Levels after a Collegiate Rugby Game

8:45  **6-4**  REBECCA KUDRNA*, NICOLE J. GANDY, MELISSA A. LINDEN and MONICA R. MARLOWE  
Dr. Alex J. Koch, Faculty Mentor  
A Comparison of Caloric Expenditure Estimations from a Commercial Stationary Bicycle and Indirect Calorimetry

9:00  **6-5**  MIRIAM BLOCK*, COREY CRANDALL and DERRICK ROHR  
Dr. James Padfield, Faculty Mentor  
Proposed Use of Navigation Technology to Quantify Exercise Workload

9:15  **6-6**  TARA L. SEELIG* and MEGAN PARKHURST^  
Dr. Jerry Mayhew, Faculty Mentor  
The Effect of Different Pedal Revolutions at a Constant Workload on Metabolic and Cardiovascular Parameters

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**8:00-9:15 AM**  
**SESSION 7**  
**PAPERS: INTERDISCIPLINARY – Understanding Genetics and Disease**

Presiding: Dr. Dean de Cock, Assistant Professor of Mathematics

8:00  **7-1**  JEFFREY J. NEPPLE  
Dr. David A. Henderson (Iowa State University) and Dr. Dean de Cock, Faculty Mentors  
The Determination of Differential Gene Expression Using cDNA Microarrays and Statistical Analysis

8:15  **7-2**  JOHN BISGES  
Dr. Kenneth N. Carter, Faculty Mentor  
Predicting the Spread of Disease: A Comparison of Selected Mathematical Approaches to Epidemiology

8:30  **7-3**  NATHANIEL J. GREEN  
Dr. Kenneth N. Carter, Faculty Mentor
Epidemiological Modeling: Implementation Strategies

8:45  7-4  ALEC THOMAS PAWLING  
Dr. Kenneth N. Carter, Faculty Mentor  
Micropopulation Modeling with SIMEX: Bringing Back a Powerful Tool

9:00  7-5  MAYA E. SUFFERN  
Dr. Kenneth N. Carter, Faculty Mentor  
Vaccine Risk Communication: Implications of Ethical Priorities and Herd Immunity

8:00-9:30 AM  VH 1010  
SESSION 8  
PAPERS: LANGUAGE AND LITERATURE DIVISION – Communication  
Presiding: Dr. Keri Bodensteiner, Assistant Professor of Communication

8:00  8-1  SARA L. SWENSON  
Dr. Keri Bodensteiner, Faculty Mentor  
Ronald Reagan: His Style and Ability to Communicate

8:15  8-2  KATHERINE A. STOVERINK  
Dr. Elizabeth Clark, Faculty Mentor  
A Womanist Critique of Whoopi Goldberg and Her Non-traditional Roles

8:30  8-3  ANGELA SYBIL BALLARD  
Dr. Keri Bodensteiner, Faculty Mentor  
Feminism and the Black Family

8:45  8-4  SALLY L. NOEDEL  
Dr. Barry Poyner, Faculty Mentor  
Women’s Suffrage in Stages

9:00  8-5  STACI J. IMES  
Dr. Todd Holm, Faculty Mentor  
A City Without Men: Using Women to Exemplify Nonviolence

9:15  8-6  JACLYN R. DEVINE  
Dr. Janet Davis, Faculty Mentor  
Bakhtin on the Web

8:00-9:30 AM  VH 1212
SESSION 9

PAPERS: LANGUAGE AND LITERATURE DIVISION – World Literature

Presiding: Dr. Hena Ahmad, Assistant Professor of English

8:00  9-1  HANNAH SCHREIBER  
Dr. Hena Ahmad, Faculty Mentor  
PH Balanced Assimilation: Cultural Blending in Tsitsi Dangarembga’s *Nervous Conditions*

8:15  9-2  MICHELLE E. MARTIN  
Dr. Hena Ahmad, Faculty Mentor  
Building a Story: The Structural Frame of Arundhati Roy’s *The God of Small Things*

8:30  9-3  SAMUEL EDEH  
Dr. Hena Ahmad, Faculty Mentor  
Rethinking Gender Roles in *Things Fall Apart*

8:45  9-4  SARAH MCDUFF  
Dr. Hena Ahmad, Faculty Mentor  
Tambudzai’s Discovery of Self in Tsitsi Dangarembga’s *Nervous Conditions*

9:00  9-5  STEPHANIE A. MALIN  
Dr. Hena Ahmad, Faculty Mentor  
Ecofeminism and the Work of Mahasweta Devi: The Interconnections of Socioeconomic, Religious and Literary Realms in India

9:15  9-6  TY K. FAGAN  
Dr. Hena Ahmad, Faculty Mentor  
Living Words: Premchand and the Politics of Language

8:00-9:30 AM  OP 2117

SESSION 10

PAPERS: SCIENCE DIVISION – Zoology

Presiding: Dr. M. Scott Burt, Assistant Professor of Biology

8:00  10-1  AUDREY M. GILMORE* and REBECCA S. BLUE  
Dr. Michael Baumann (National Institute on Drug Abuse) and Dr. John Rutter, Faculty Mentors
Effect of Repeated Methamphetamine Treatment on Indices of Central Nervous System Serotonin Function

8:15 10-2 TAMMY R. BRAGG and KATHRYN M. SMITH*
Dr. Charlie Apter, Faculty Mentor
Allometric Scaling in Two Sizes of Equids (*Equus caballus*)

8:30 10-3 JENNIFER R. STONE*, JEREMIAH SCHISLER and HAYSAM TAWFIK^*
Dr. George J. Schulte, Faculty Mentor
Characterization of Transepithelial L-leucine Absorption in Pyloric Caeca Associated with the Gastrointestinal Tract of the Black Bass, *Micropterus salmoides*

8:45 10-4 JACQUELINE E. WEISS* and WILLIAM G. ALEXANDER
Dr. Cynthia L. Cooper, Faculty Mentor
Evaluation of a Novel Mixed Culture System

9:00 10-5 KEVIN G. EULINGER^*
Dr. M. Scott Burt, Faculty Mentor
Small Mammal Community Structure at Swan Lake National Wildlife Refuge

9:15 10-6 POLLY M. HIGGINS^*
Dr. M. Scott Burt, Faculty Mentor
Small Mammal Responses to Oak-Savannah Restoration

8:00-9:30 AM
SESSION 11
PAPERS: SCIENCE DIVISION – Physics

Presiding: Dr. Matt Beaky, Assistant Professor of Physics

8:00 11-1 KEVIN J. HAWORTH
Dr. Michael Goggin, Faculty Mentor
Plotting Semi-Classical Trajectories for Simple Quantum Mechanical Systems with the Wigner Quasi-Distribution Function

8:15 11-2 CORMAC M. SMITH
Dr. Ian Lindevald, Faculty Mentor
Acoustic Bandgap Tunneling

8:30 11-3 JARRETT L. JOHNSON*, MICHAEL MOLITORIS, MATTHEW WRIGHT, and MICHELLE A. HANNON
Dr. Taner Edis, Faculty Mentor
Approximate Symmetries on a Discrete Spacetime

8:45  11-4  AMENYEDU ADOVOR* and LANCE HART
Dr. Ian Lindevald, Faculty Mentor
Area-Time Measurement for the Trombone Player’s Lip Reed

9:00  11-5  HEATHER M. MOLLE
Dr. Michael Goggin, Faculty Mentor
Exploring Phase Space Using Short Term Lyapunov Exponents

9:15  11-6  MICHELLE A. HANNON
Dr. Michael Goggin, Faculty Mentor
Simulating Quantum Photon Communication through Free Space

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8:00-9:30 AM  VH 1320
SESSION 12

PAPERS: SOCIAL SCIENCE DIVISION –
Sociology and Anthropology

Presiding: Dr. Robert Graber, Professor of Anthropology

8:00  12-1  CHARLOTTE K. COOPER
Dr. Amber Johnson, Faculty Mentor
Archaic Hunting Camps: An Archaeological Study of Faunal Remains

8:15  12-2  JACOB C. FREEMAN
Dr. Amber Johnson, Faculty Mentor
From Hunting and Gathering to Agriculture: Three Generalizations About
Hunting and Gathering Phase Durations in the Archaeological Record

8:30  12-3  WILFRED J. KRENN JR.
Dr. Robert B. Graber, Faculty Mentor
Social Growth and Cultural Evolution: An Inductive Cross-Cultural
Investigation

8:45  12-4  AMY L. BRYCHTA
Dr. Robert B. Graber, Faculty Mentor
Social Growth and Cultural Evolution: An Inductive Global Investigation Using
MicroCase

9:00  12-5  DAVID C. CAPPS
Dr. Robert B. Graber, Faculty Mentor
Social Growth and Cultural Evolution: An Inductive Cross-Polity Investigation
### 8:00-9:15 AM  
**SESSION 13**  
**PAPERS: SOCIAL SCIENCE DIVISION – Race and Religion**

Presiding: Dr. William Ashcraft, Associate Professor of Religion

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<tr>
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<th>Session</th>
<th>Speaker(s)</th>
<th>Title</th>
<th>Faculty Mentor</th>
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<tbody>
<tr>
<td>8:00</td>
<td>13-1</td>
<td>COURTNEY M. CARTER</td>
<td>The Color of Their Faith: An Analysis of Black Theology</td>
<td>Dr. William M. Ashcraft, Faculty Mentor</td>
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<tr>
<td>8:15</td>
<td>13-2</td>
<td>KATE M. CHRISTMAN</td>
<td>African American Spirituals: A Question of Origin</td>
<td>Dr. William M. Ashcraft, Faculty Mentor</td>
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<td>8:30</td>
<td>13-3</td>
<td>LASHÉA NIESHA HELENA DAVIS</td>
<td>The Political Black Church</td>
<td>Dr. William M. Ashcraft, Faculty Mentor</td>
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<td>8:45</td>
<td>13-4</td>
<td>MELISSA A. VANOST</td>
<td>The African American Catholic Experience</td>
<td>Dr. William M. Ashcraft, Faculty Mentor</td>
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<td>9:00</td>
<td>13-5</td>
<td>CABELL H. GATHMAN</td>
<td>Mizuko Kuyô: Dealing with Undeath in a Nuclear World</td>
<td>Dr. Derek Daschke, Faculty Mentor</td>
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### 9:30-9:45 AM  
**BREAK**  
OP Atrium & VH Atrium

### 9:45-10:45 AM  
**SESSION 14**  
**PAPERS: EDUCATION DIVISION – History**
Presiding: Dr. Jeffrey L. Gall, Associate Professor of History

9:45  14-1  KEVIN BECKNER^  
Dr. Jeffrey L. Gall, Faculty Mentor  
Ronald Reagan: An Historiography

10:00  14-2  LISA D. MOTLEY^  
Dr. Jeffrey L. Gall, Faculty Mentor  
Simulations in Secondary Social Studies Classrooms

10:15  14-3  NICOLE M. SCHMITZ^  
Dr. Jeffrey L. Gall, Faculty Mentor  
Incorporating Drama into a High School History Classroom

10:30  14-4  EMILY B. STONE^  
Dr. Jeffrey L. Gall, Faculty Mentor  
Motivations behind President Harry S. Truman’s Executive Order 9981

9:45-10:45 AM  
SESSION 15  
OP 1393, Performance Hall  
PERFORMANCES: FINE ARTS DIVISION –  
Graduate Performances in Music

Presiding: Dr. Michael Bump, Assistant Professor of Music

9:45  15-1  AMIE E. WALTER*, TIM LINSENBARDT, BECCA BRIGUGLIO, RYAN MILLIGAN  
Dr. Michael Bump, Faculty Mentor  
A Marimba Experience: Omphalo Centric Lecture by Nigel Westlake

10:05  15-2  MEGAN M. IVERSON^  
Dr. Thomas Hueber, Faculty Mentor  
Auf dem Strom by Franz Schubert: Megan Iverson, soprano; Russ Bachman, horn; Patrice Ewoldt, piano

10:25  15-3  BRADLEY M. FOWLER^  
Dr. Warren Gooch, Faculty Mentor  
Composing with Twelve Tones: Manipulating the Rules of a System

9:45-10:45 AM  
SESSION 16  
OP 2302, ‘Black Box’ Theater  
PERFORMANCES: FINE ARTS DIVISION – 
**Issues in Theatrical Performance**

Presiding: Dr. Dana Smith, Assistant Professor of Theater

9:45 16-1  JOE A. KLOCEK  
Dr. Dana Smith, Faculty Mentor  
Theatre in Service

10:15 16-2  SEAN T. O’NEIL  
Dr. Becky Becker, Faculty Mentor  
State Street State of Mind: A Crack at Representing High School Life Onstage

**9:45-10:45 AM**  
**SESSION 17**  
**VH 1224**  

**PAPERS: HUMAN POTENTIAL AND PERFORMANCE DIVISION – Sport Psychology**

Presiding: Dr. Chris Lantz, Associate Professor of Health and Exercise Science

9:45 17-1  HOLLY E. BAUCH* and KRISTIN N. MCFARLAND  
Dr. Chris Lantz, Faculty Mentor  
Determining the Motivational Differences Among Collegiate Varsity and Intramural Athletes

10:00 17-2  LEAH C. ZIDON  
Dr. Chris Lantz, Faculty Mentor  
Mirror, Mirror on the Wall: Using Body Mass Index, Social Physique Anxiety and Self-esteem to Predict Eating Attitudes in Rural Northeast Missouri High School Students

10:15 17-3  NICOLE J. GANDY* and JACOB J. KINGERY  
Dr. Chris Lantz, Faculty Mentor  
A Study of Motivation in Task Orientated Individuals

10:30 17-4  ROSE BUZA  
Dr. Chris Lantz, Faculty Mentor  
The Influence of Multi-ethnicity on Psychological Factors Associated with Exercise Among High School Students

**9:45-10:45 AM**  
**SESSION 18**  
**OP 2115**  

**PAPERS: INTERDISCIPLINARY –**
Culture and Music

Presiding: Dr. Thomas Zoumaras, Associate Professor of History

9:45  18-1  RICHARD K. GOERING
Dr. Robert Mielke, Faculty Mentor
Cultural Reflection and Impact of a Common Candy: Ferrara Pan’s Atomic FireBall®

10:00  18-2  JOHN D. BISGES
Dr. Robert Mielke, Faculty Mentor
Turtle Power! How Four Mutant Teenagers Nuked the Entertainment Industry

10:15  18-3  ANDREW R. LEWIS
Dr. Arnold Preussner and Dr. Thomas Zoumaras, Faculty Mentors
Baseball and Music: Combining to Transform Baseball into America’s National Pastime

10:30  18-4  COLEY P. LEWIS
Dr. Marc Rice, Faculty Mentor
Guiding the Message of the Soul: The Record Producer’s Influence over Musicians

9:45-10:45 AM  VH 1010
SESSION 19
PAPERS: LANGUAGE AND LITERATURE DIVISION – English

Presiding: Dr. Cole Woodcox, Professor of English

9:45  19-1  KATHRYN M. WIDITZ
Dr. Cole Woodcox, Faculty Mentor
A Little Bit of Sex in Dhalgren

10:00  19-2  THOMAS A. USETED
Dr. Cole Woodcox, Faculty Mentor
A Queer Reading of the Work of David Bowie, 1970-1973

10:15  19-3  NICHOLAS G. KUNTZ
Dr. Cole Woodcox, Faculty Mentor
From Blackface to Painted Face

10:30  19-4  JENNIFER A. STRICKLAND
Dr. Cole Woodcox, Faculty Mentor
**F***ing Punk Up the Ass or The Carnival of Queercore**

9:45-10:45 AM  
SESSION 20  
VH 1212  

PAPERS: LANGUAGE AND LITERATURE DIVISION – Memoir, Creative Fiction, Creative Nonfiction and Essay

Presiding: Dr. Royce Kallerud, Assistant Professor of English

9:45  20-1  JESSICA L. FORD  
Dr. Hena Ahmad, Faculty Mentor  
Finding Our Truths: The Elusive Definition of Documentary Work

10:00  20-2  NEIL P. STRANSKY  
Dr. Hena Ahmad, Faculty Mentor  
1974 Cadillac Sedan DeVille

10:15  20-3  ADNAN SELIMOVIC  
Dr. Hena Ahmad, Faculty Mentor  
The Hardest Paper I Have Ever Written

10:30  20-4  ANTHONY ALBRECHT  
Dr. Hena Ahmad, Faculty Mentor  
The Illusion of a United America and Mary Louise Pratt’s *Arts of the Contact Zone*

9:45-10:30 AM  
SESSION 21  
VH 1228  

PAPERS: LANGUAGE AND LITERATURE DIVISION – English and German

Presiding: Dr. Rodney Taylor, Associate Professor of German

9:45  21-1  DANA L. KUHNLINE  
Dr. Patricia Gately, Faculty Mentor  
Learning to Love Corn: A Midwestern Poetry Project

10:00  21-2  SHAWNA R. ARCHER*, ANNE E. SCHONHARDT, SHANNON M. CLARKIN, and LAURA J. JORDAHL  
Dr. Mary Shapiro, Faculty Mentor  
Who Are ‘you’?: The Danger of Pseudo-Generic 2nd Person Pronouns
9:45-10:45 AM  
SESSION 22  

PAPERS: SCIENCE DIVISION –  
Agriculture  

Presiding: Dr. Glenn Wehner, Professor of Agriculture  

9:45  22-1  CARY L. RIVARD* and DAVID L. TROTT  
Dr. Thomas E. Marshall and Dr. Frank Louws (North Carolina State University), Faculty Mentors  
Growth Rates in Organic and Conventional Treatments of Cucumbis sativa  

10:00  22-2  DAVID L. TROTT, JOY L. CHISHOLM, and MARK VOGEL  
Dr. Theo Clark, Dr. Sara Madsen, and Dr. Michael Seipel, Faculty Mentors  
Nutritional Analysis of Poultry Reared in Controlled Pasture Conditions versus Poultry Reared Conventionally  

10:15  22-3  JOY L. CHISHOLM*, DAVID L. TROTT, JEFF G. COX and CATHERINE E. ZIVNUSKA  
Dr. Michael Seipel, Faculty Mentor  
Feed Efficiency of Pastured Poultry Systems  

10:30  22-4  CATHERINE E. ZIVNUSKA  
Dr. Michael Seipel, Faculty Mentor  
Foraging Behavior of Chickens in Day-Range Pastured Poultry Systems  

9:45-10:45 AM  
SESSION 23  

PAPERS: SCIENCE DIVISION –  
Insect Biology  

Presiding: Dr. Steven Carroll, Associate Professor of Biology  

9:45  23-1  TARA C. THIEMANN^  
Dr. Laura J. Fielden, Faculty Mentor  
Water Uptake in the Cat Flea Ctenocephalides felis  

10:00  23-2  KATHERINE H. FREDERICK
Dr. Jon C. Gering, Faculty Mentor
Effects of Forest Attributes, Host Tree Identity, and Phenology on the Abundance of an Exotic Beetle Species, the Asiatic Oak Weevil (*Crytepistomus castaneus* Roleofs)

10:15 23-3  KELLY A. MCGRATH
Dr. Jon C. Gering, Faculty Mentor
Scale Dependence of Effective Specialization: Implications for Estimates of Global Insect Species Richness

10:30 23-4  JAMES A. ROSS
Dr. Stephen F. Matter, Faculty Mentor
The Effects of Forest Barriers on the Movement of Butterfly *Parnassius smintheus*

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9:45-10:45 AM  VH 1000
SESSION 24

PAPERS: SOCIAL SCIENCE DIVISION – Psychology and Gender

Presiding: Dr. Jeffrey Vittengl, Assistant Professor of Psychology

9:45 24-1  JESSALYN L. ARNOLD*, LISA M. SCHLERETH, SAMANTHA K. FIDLER, SANDI M. BISZANTZ, and BRYNN E. WEIMER
Dr. Teresa M. Heckert, Faculty Mentor
Gender Differences in Perceived Roles of Men and Women

10:00 24-2  MEGAN E. COSTELLO*, LATISHA J. MEYER^, and WILLIAM A. STONE
Dr. Jeffrey R. Vittengl, Faculty Mentor
Gender Differences in Social Support: A Comparison of Psychotherapy Styles

10:15 24-3  ANDREA BULLERDIECK*^ and CASSANDRA M. DOMINICK^ Dr. Michelle Breault, Faculty Mentor
Gendered Language and its Effects on Persuasiveness

10:30 24-4  ELIZABETH G. KLUESNER* and CASSANDRA M. DOMINICK^ Dr. Robert Tigner, Faculty Mentor
Personality Attributions and Projected Self-Esteem Based on Body Type and Gender

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9:45-10:30 AM  VH 1320
SESSION 25
### PAPERS: SOCIAL SCIENCE DIVISION – Philosophy

Presiding: Dr. Patricia Burton, Professor of Philosophy

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<thead>
<tr>
<th>Time</th>
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<th>Title</th>
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<tbody>
<tr>
<td>9:45</td>
<td>25-1</td>
<td>COLMAN D. MCCARTHY</td>
<td>Dr. David Gruber</td>
<td>Legal Ethics: The Question of the Perjurious Client</td>
</tr>
<tr>
<td>10:00</td>
<td>25-2</td>
<td>EMILY J. BURNS</td>
<td>Dr. Patricia Burton</td>
<td>Could You Persuade Us if We Do Not Listen?</td>
</tr>
<tr>
<td>10:15</td>
<td>25-3</td>
<td>TY K. FAGAN</td>
<td>Dr. Patricia Burton</td>
<td>Aletheia and Unforgetting</td>
</tr>
</tbody>
</table>

### 11:00 AM -12:00 PM   OP 1393, Performance Hall

**KEYNOTE ADDRESS – ALL DIVISIONS**  
Undergraduate Research is Hot!

Presiding: Garry L. Gordon, Vice President for Academic Affairs  
Speaker: Dr. Joseph Gallian, University of Minnesota-Duluth

### 12:00 -1:15 PM   Union, Conference Room

**SESSION D-1**  
ROUNDTABLE DISCUSSION (Student-oriented) –  
How to get started on a research, scholarly, or creative project

Presiding: Ms. Tiffany Lucas, Senior Biology Major and a faculty member (TBA)

### 12:00 -1:15 PM   Union, 309

**SESSION D-2**  
ROUNDTABLE DISCUSSION (Student-oriented) –  
Tips for delivering excellent presentations

Presiding: Dr. Frederic Shaffer, Professor of Psychology, Ms. Nancy Majewski, Instructor of Communication, and Ms. Shawna Cooper, Senior Biology Major
12:00 -1:15 PM  
SESSION D-3  
Union, Spanish Room  

ROUNDTABLE DISCUSSION (Faculty-oriented) – Integrating research and teaching: Using your classes to feed your scholarship  

Presiding: Dr. Brent Buckner, Associate Professor of Biology and Dr. Sara Orel, Associate Professor of Art

12:00 -1:15 PM  
SESSION D-4  
Union, Governors’ Room  

ROUNDTABLE DISCUSSION (Faculty-oriented) – Enhancing the teacher-scholar faculty model at Truman

Presiding: Dr. Jeffrey Osborn, Chair, Undergraduate Research Committee and other members of the Committee

1:15-2:15 PM  
SESSION 26  
OP Atrium  

POSTERS, TECHNOLOGY DEMONSTRATIONS, & STUDIO ARTS: ALL DIVISIONS

EDUCATION DIVISION

26-1  DAVID J. SALVATIERRA^  
Dr. Christopher J. Maglio, Dr. Maria DiStefano, and Dr. Cavit Cooley, Faculty Mentors  
Academic Self-Concept and Academic Achievement in Rural Hispanic Students

FINE ARTS DIVISION

26-2  KYLE ANDREW SCHELLINGER  
Joan Mather, Faculty Mentor  
The robe à la française: Extreme Costume for an Opulent Era

HUMAN POTENTIAL AND PERFORMANCE DIVISION

26-3  SARAH M. DANCE* AND DAVID L. MAYHEW^
Dr. Alex J. Koch, Faculty Mentor
Rest Interval Length During Heavy Resistance Exercise Does Not Affect Concentrations Of Soluble Intercellular Adhesion Molecule-1 (sICAM-1)

26-4 KATIE CARNELIA* and JESSICA A. RADINSKY^ Dr. Alex J. Koch, Ms. Michelle Boyd, ATC and Dr. Jerry Mayhew, Faculty Mentors
A Comparison of Urinary Osmometer and Refractometer Readings of Hydration Among College Football Players

26-5 JONATHAN A. STEWART Dr. Jerry Mayhew, Faculty Mentor
Prediction Equation for Max Bench Press in College Football Players from NFL-225 Test

26-6 MONICA R. MARLOWE Dr. Jerry Mayhew, Faculty Mentor
Comparison of the Effects of Active Ankle Braces and Ankle Taping on Jump Performance and Agility in Collegiate Volleyball Players

26-7 JAMIE M. POHLMAN Mrs. Liz Jorn and Dr. Jerry Mayhew, Faculty Mentors
How Should We Determine if Our Client Is Obese? An Examination of the Body Mass Index, Percent Fat and the Overweight Index

26-8 JILL M. MEYER* and SAMI L. RUNNELS Mrs. Liz Jorn, Faculty Mentor
Are You an Athlete or a Non-athlete? Body Composition Assessment Using the Tanita Bioelectrical Impedance Scale

26-9 JILL M. MEYER Mrs. Liz Jorn, Faculty Mentor
Sportsmanship Attitude Differences between English and American Collegiate Rugby Players

26-10 ADAM BLILEY Mrs. Liz Jorn, Faculty Mentor
The Elimination of Cheerleading at Truman State University: The Effect on Our Athletes

26-11 CATHY DIERKER*, BEN WILSON, KATIE CARNELIA and JASON BELSHER Mrs. Liz Jorn, Faculty Mentor
An Examination of Student Attendance at Truman State University Athletic Events
26-12 DANIEL J. BOYLE and PATRICK T. BOYLE*
Mrs. Liz Jorn, Faculty Mentor
Fitness Attitudes and Motives of First-year College Students

26-13 ROBIN L. LOFT*, ASHLEA WOOD, and BETH L. TIMMERMAN
Mrs. Liz Jorn, Faculty Mentor
Exercise Patterns of Faculty and Staff at Truman State University

26-14 SARA A. CLOUSE*, ALAN M. TOIGO and MAGEN A. HEMBREE
Dr. Carolyn C. Cox, Faculty Mentor
The Student Ombudsmen Model: Increasing the Number of Long Term Care Ombudsmen in Northeast Missouri

26-15 ELIZABETH CARPENTER* and CHRISTINA DEGENHARDT
Dr. Carolyn C. Cox, Faculty Mentor
Safe Brake II

26-16 MAUREEN K. LONERGAN* and ERIK A. JUDSON
Dr. Carolyn C. Cox, Faculty Mentor
Health Promotion Program Offerings in Large and Extra-Large Colorado Worksites: A Comparison to 1999 National Survey Findings

26-17 SARAH C. SHELTON* and ERIN C. CAHILL
Dr. Carolyn C. Cox, Faculty Mentor
The West Nile Virus: What Health Educators Need to Know

26-18 KARRISA A. WEIDINGER* and JACQUE S. NEUWOEHNER
Dr. Carolyn C. Cox, Faculty Mentor
A Four-Phase Needs Assessment for a Rural Free Medical Clinic

26-19 SARA R. LANGENFELD
Dr. Rebecca McClanahan, Faculty Mentor
Life in the Fast Lane: The Lived Experience of Mental Illness

26-20 BRANDI CRISTINE SWEIGER
Dr. Rebecca McClanahan, Faculty Mentor
The Trip into His World: The Lived Experience of Mental Illness

26-21 TERESA A. ROTH
Dr. Rebecca McClanahan, Faculty Mentor
A Life of Grays: The Lived Experience of Mental Illness

26-22 HATTIE M. MCDOWELL
Dr. Stephanie A. Powelson, Faculty Mentor
Prenatal Screening for HIV in Northeast Missouri
AMANDA V. FRITZ
Dr. Stephen C. Hadwiger, Faculty Mentor
Comparing Explanatory Models Between Practitioners and Mexican-Americans with Type II Diabetes

ANDREA L. SMITH
Dr. Stephen C. Hadwiger, Faculty Mentor
The Effect of Behavioral Interventions on Stress Urinary Incontinence in Postpartum Women

JENNY L. GARVIN*, COLIN ALEC NIES, HEATHER D. CRAIG^, KATIE ULDALL, KELLY L. BECK and SHANA M. DOERR^  
Dr. Paula S. Cochran, Faculty Mentor
Multi-media Development for Communication Disorders: Digital Movie Library

KIERIN N. ELLMAN*, REGAN A. FUEMMELER^, STACI J. IMES, KATE A. KELLY and CARLA L. YOUNGDAHL  
Dr. Paula S. Cochran, Faculty Mentor
Multi-media Development for Communication Disorders: Simplifying Civics

LANGUAGE AND LITERATURE DIVISION

TERI L. PATTERSON
Dr. Cole Woodcox, Faculty Mentor
Thinking Outside the Box

HILARY WRIGHT*, KATIE HERMESMEYER^  
Dr. Steven Stepanek, Faculty Mentor
Hazard to Ya Booty: A Study of the Integrated Elements and Execution of a Promotional Campaign for a Local Funk Band

MATHEMATICS AND COMPUTER SCIENCE DIVISION

CHRISTOPHER C. BAY
Dr. Jason Miller, Faculty Mentor
Characterizing Bat Species via Their Echolocation Call’s Wavelet Transform

SCIENCE DIVISION

KURT W. HOEMAN* and NATHANIEL L. WOODRUM  
Dr. David McCurdy and Mr. T.W. Sorrell, Faculty Mentors
Construction of an Evanescent Wave Spectrometer
KATHLEEN M. SPEARS
Dr. Karen C. Cone (University of Missouri, Columbia) and Dr. Brent Buckner, Faculty Mentors
From Clone to Chromosome: Integrating the Genetic and Physical Maps of the Maize Genome

SHAWNA A. COOPER
Dr. Andrew D. McClellan (University of Missouri-Columbia) and Dr. Brent Buckner, Faculty Mentors
Organization of Sensory and Motor Components of the Trigeminal System in the Larval Sea Lamprey, *Petromyzon marinus*

ELIZABETH A. HAHN*, KATHERINE C. KRUEGER and KERRY L. MASSMAN
Dr. Brent Buckner, Faculty Mentor
Sequence Diversity at the *y1* Locus of Maize

REBECCA T. TAGUE
Dr. Stephanie A. Fore, Faculty Mentor
Analysis of the Spatial Distribution of Genetic Relationships within and *Echinacea laevigata* Population

ALEXIS N. SCHOENEKASE
Dr. Jeffrey M. Osborn, Faculty Mentor
Comparative Pollen Morphology of the Giant Water Lily *Victoria* (Nymphaeaceae)

JESSICA L. MENKE
Dr. Eric V. Patterson, Faculty Mentor
Computational Chemical Studies of Pherhydrolysis of Nerve Agent VX

MYCHEL E. VARNER*, and AMANDA E. COMBS
Dr. Maria Nagan, Faculty Mentor
Computational Simulation of a Human tRNA Molecule

AMANDA WOOD
Dr. Mark Campbell, Faculty Mentor
Continued Screening of Exotic Maize Germplasm for High Starch-Amylose

OWEN S. FORCK
Dr. Glenn Wehner and Dr. David McCurdy, Faculty Mentors
Determination of Mineral Fluctuations in Cervical Mucus in the Cow

KATHLEEN M. SPEARS*, MORGAN REUTER and LINDSAY WAGER
Dr. George Shinn, Faculty Mentor
Diversity of Freshwater Clams in Northeastern Missouri

26-41 ALISON M. DWYER
Dr. Matthew M. Beaky, Faculty Mentor
Improving the Identification Rate of Free-flying Bats as an Aid to Bat Conservation

26-42 JEFFREY R. SKINNER
Dr. Stephanie A. Fore, Dr. Michael I. Kelrick, Dr. Lisa Hooper, Dr. Scott Alberts and Dr. Dean de Cock, Faculty Mentors
Influence of Burning on Changes in the Size, Shape and Random Amplified Polymorphic DNA (RAPD) Profile Composition of Vaccinium Stamineum L. Patches

26-43 SARAH J. WELCH
Dr. Peter J. Ramberg, Faculty Mentor
Isaac Newton and the Alchemical Tradition

26-44 MICHAEL T. CONE*, TODD J. LANSFORD, LISA S. LESLIE and LUCAS D. WARD
Dr. Michael Goggin, Faculty Mentor
Laser Cooling and Trapping of Rubidium Atoms

26-45 MELISSA J. DAVIS
Dr. Michael S. Burt, Faculty Mentor
Preliminary Analyses of the Character Displacement Theory of Two Northeast Missouri Shrews

26-46 JULIE A. SCHWARTZ
Dr. Rui-Hong Wang (National Institutes of Health), Dr. Jeffrey M. Osborn, Faculty Mentors
Studies of a Cancer-Related Gene: Brca1’s Role in Mitotic Spindle Assembly Checkpoint

26-47 NOELLE E. HUNT, SUCHETA S. JAWALKAR and DAVID T. SHANE*
Dr. Matthew M. Beaky, Faculty Mentor
Two-Dimensional Photonic Crystal Research in the Microwave Region

SOCIAL SCIENCE DIVISION

26-48 CHELYLYNNE Y. BOSLEY*, SIERRA A. BRESCLA, ELIZABETH A. ECKARDT, JENNIFER M. NEIDIG, KRISTEN S. SHELVER, and LAURA A. SAPENOFF
Dr. Jeffrey R. Vittengl, Faculty Mentor
Do Academic Achievement, Post-Undergraduate Plans, and Personality Predict
Undergraduate Psychology Students’ Interest in Research?

26-49 GLORIA DIRNBECK*, SARA WALKENBACH, TISHA R. WILEY, and ERIKA B. VAN TUYL  
Dr. Karen Smith, Faculty Mentor  
Test-Retest Reliability in Three Implicit Learning Tasks

26-50 LOGAN BANKS^, ADAM LIPPS^, SUSAN JACOBSMEYER*, KATHRYN RUMORA, and IAN LYNAM  
Dr. Fred Shaffer, Faculty Mentor  
The Effects of Instructions, Sitting Position, and Task on Baseline Measurements

26-51 SUSAN JACOBSMEYER*, LYNN GIDDINGS, STEVE SASFAI, BRIDGET LUEBERING, and MELISSA SCHLERETH  
Dr. Fred Shaffer, Faculty Mentor  
Validation of an Infrared Temperature Scanning Procedure for the Hands

2:15-3:15 PM
SESSION 27
VH 1300

PAPERS: EDUCATION DIVISION –  
Elementary Education, Middle School, and Special Education

Presiding: Dr. Donna Rhinesmith, Associate Professor of Elementary Education

2:15 27-1 AMANDA D. FINN^  
Dr. Wendy S. Miner, Faculty Mentor  
Differentiation Strategies for English Language Learner (ELL) Middle School Students

2:30 27-2 ANDREA C. KATOLIN^  
Dr. Wendy S. Miner, Faculty Mentor  
Investigating the Use of Differentiation to Better Serve High-Ability Mathematics Students

2:45 27-3 CYNTHIA L. CASON^  
Dr. Dale P. Blesz, Faculty Mentor  
A Qualitative Study of Families of Students with Special Needs

3:00 27-4 CORY D. MILLES^  
Dr. Patricia Smiser, Faculty Mentor  
Incorporating the SmartBoard in the Classroom to Increase Student Achievement
2:15-2:45 PM  
SESSION 28  
OP 2210

PAPERS: FINE ARTS DIVISION –  
Graduate Student Research in Music

Presiding: Dr. Warren Gooch, Associate Professor of Music

2:15  28-1  ANDREA L. BATES^  
Dr. Warren Gooch, Faculty Mentor  
Structure and Text in Carl Phillip Emmanuel Bach’s “Passionslied”

2:30  28-2  KATHLEEN M. ANSELMO^  
Dr. Warren Gooch, Faculty Mentor  
Kurt Weill’s Use of Parody in the ‘Overture’ of Little Threepenny Music

2:15-3:30 PM  
SESSION 29  
VH 1224

PAPERS: HUMAN POTENTIAL AND PERFORMANCE DIVISION –  
Health and Hearing

Presiding: Dr. James Padfield, Assistant Professor of Health and Exercise Science

2:15  29-1  ALLISON DOUGHERTY  
Dr. James Padfield, Faculty Mentor  
LDL and HDL Subfractions as Markers for Cardiovascular Disease Risk

2:30  29-2  CARMINA L. MARASIGAN  
Dr. James Padfield, Faculty Mentor  
C-Reactive Protein as a Marker for Cardiac Disease Risk

2:45  29-3  ALAN M. TOIGO*, SARA A. CLOUSE, MAGEN A. HEMBREE and ERIK A. JUDSON  
Dr. Carolyn C. Cox, Faculty Mentor  
Long Term Care Administrators’ Perceptions of the Ombudsmen Program in the State of Missouri

3:00  29-4  C. DANIELLE FARRAR  
Dr. Janet Gooch, Faculty Mentor  
A Comparison of the Hearing Levels of Two Populations: Urban and Rural Citizens

3:15  29-5  JENNIFER J. MAIN
Dr. John Ishiyama (Social Science) and Dr. L. Kent Hawkins (Northeastern State University), Faculty Mentors
Musicians and Non-Musicians: An Examination of Phonemic Awareness

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<tr>
<td>2:15</td>
<td>30-1</td>
<td>Differences in Vertical Jump Measurements Between VERTEC and an Automated Jump Pad</td>
<td>MATT W. CRAINE* and KELLI RICHARDSON</td>
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<td>2:30</td>
<td>30-2</td>
<td>Relationships Among Stress Fractures, Bone Density, Body Fat, and Other Contributing Factors in Female Cross Country/Track Athletes and Swimmers</td>
<td>MEGHAN K. HUTTON</td>
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<tr>
<td>2:45</td>
<td>30-3</td>
<td>Characteristics and Variability Between Low and High Goalkeeper Dives</td>
<td>ADAM M. JOHNSON* and JEREMY R. CRENSHAW</td>
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Presiding: Dr. Michael Bird, Associate Professor of Health and Exercise Science

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<tr>
<td>2:15</td>
<td>31-1</td>
<td>Contrasts between Ancient Greek and Native American Views on Horsemanship</td>
<td>TEDDY K. KURTH</td>
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<tr>
<td>2:30</td>
<td>31-2</td>
<td>Native American and European Cultural Differences Reflected in the Type of Learning Principles Utilized in Horse Training</td>
<td>GREG S. OBERBECK</td>
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</table>
2:45 31-3 KRISTIN WALSTROM
Dr. Michael Seipel, Faculty Mentor
“Barefoot, In the Snow, Uphill Both Ways:” An Interdisciplinary Look at One-Room Schoolhouses

3:00-3:30 PM OP 2302, ‘Black Box’ Theater
SESSION 32
PERFORMANCES: INTERDISCIPLINARY –
Phi Kappa Phi Session

Presiding: Dr. William Ashcraft, Associate Professor of Religion

3:00 32-1 KATIE GAMBACH, JENNY SCHACKMANN*, MICHELLE C. LILLY
Dr. Sara Orel, Faculty Mentor
I Am... Images of Women in the Middle East

2:15-3:30 PM VH 1010
SESSION 33
PAPERS: LANGUAGE AND LITERATURE DIVISION –
Communication

Presiding: Steven Chappell, Assistant Professor of Communication

2:15 33-1 KENDRA S. ANTONY
Steven Chappell, Faculty Mentor
Closing the Achievement Gap with Technology

2:30 33-2 REBECCA A. OJILE
Steven Chappell, Faculty Mentor
Cyberstalking: A Growing Trend in the 21st Century

2:45 33-3 JENNIFER L. MONTGOMERY
Steven Chappell, Faculty Mentor
Electronic Medical Records: Patient Information in the Internet Age

3:00 33-4 ALISON B. HANNON
Steven Chappell, Faculty Mentor
Media Bringing Us Closer to War

3:15 33-5 JENNIFER E. OHLENDORF
Steven Chappell, Faculty Mentor
2:15-3:30 PM
SESSION 34

PAPERS: LANGUAGE AND LITERATURE DIVISION –
English and Communication

Presiding: Dr. Robert Mielke, Professor of English

2:15  34-1  KATHERINE B. VOLIN
Dr. Robert Mielke, Faculty Mentor
Langston Hughes and his Madam: Voicing the African American Female in the Search for Equality

2:30  34-2  MATTHEW L. CARLYLE
Dr. Robert Mielke, Faculty Mentor
The Quest for Counter-Hegemony: Post-Colonialism in Spike Lee’s Do the Right Thing and Julie Dash’s Daughters of the Dust

2:45  34-3  RYAN W. HEGGS
Dr. Matthew Killmeier, Faculty Mentor
The Sopranos Puts a Hit Out on Masculine Consumption

3:00  34-4  AMY L. CARMACK
Dr. Todd Holm, Faculty Mentor
Whatcha Gonna Do when the TV Crew Comes for You: A Rhetorical Analysis of JohnsTV

3:15  34-5  JOHN D. BISGES
Dr. Adam Davis, Faculty Mentor
How the Legend of Zelda Rots Your Brain and Why It Feels So Good: A Biogenetic Structuralist Look at the Mythology of a Video Game

2:15-3:30 PM
SESSION 35

PAPERS: MATHEMATICS & COMPUTER SCIENCE DIVISION –
Mathematics

Presiding: Dr. Suren Fernando, Associate Professor of Mathematics

2:15  35-1  NAOMI L. WEISBROOK
Dr. Pamela J. Ryan, Faculty Mentor
Boolean Algebra and the Representation Theorem

2:30  35-2  KEVIN EUGENE SCHLERETH
Dr. Pamela J. Ryan, Faculty Mentor
On the Solubility of the General Quintic Equation

2:45  35-3  RAY M. SHELL
Dr. David Garth, Faculty Mentor
Continued Fractions as an Approximation of Real Numbers

3:00  35-4  HEATH M. COLES
Dr. David Neel, Faculty Mentor
The Collapse of the Tacoma Narrows Bridge

3:15  35-5  CHRISTOPHER C. BAY
Dr. Jason Miller, Faculty Mentor
Characterizing Bat Species via Their Echolocation Call’s Wavelet Transform

2:15-3:30 AM
SESSION 36
PAPERS: SCIENCE DIVISION – Plant & Animal Genetics

Presiding: Dr. Thomas Marshall, Professor of Agriculture

2:15  36-1  CARRIE M. PUCKETT
Dr. Nancy Sanders, Faculty Mentor
Science Education in Northeast Missouri: A Look into Teaching Perspectives on the Topic of Evolution

2:30  36-2  EJIKEMENWA I. ANIH
Dr. Mark R. Campbell, Faculty Mentor
Development of a Core Subset of Chilean Maize Populations by Near Infrared Transmittance Spectroscopy

2:45  36-3  MEGHANA R. KUNKALA
Dr. Mark R. Campbell, Faculty Mentor
Identification of High-Amylose Modifying Genes from a Maize Backcrossing Project

3:00  36-4  BENJAMIN P. MILLETT
Dr. Daniel Hite and Dr. Yiji Xia (Donald Danforth Plant Science Center), Faculty Mentors
Isolation of Genes Involved in Disease Resistance Response by Screening
CDRI Suppressor Mutations

3:15  36-5  BRENDAN L. DUEDE*, KERRY J. BURD, RACHEL L. TRAVERS, SARAH M. HOBBS and ERIN K. ROTTINGHAUS
Dr. Janna McLean, Faculty Mentor
Targeting Various Suppressor Mutations of Segregation Distorter in Drosophila melanogaster

2:15-3:30 PM  VH 1000
SESSION 37

PAPERS: SOCIAL SCIENCE DIVISION – Sensation, Perception and Physiological psychology

Presiding: Dr. Chad Mohler, Assistant Professor of Philosophy

2:15  37-1  DAVID C. CAPPS
Dr. Chad Mohler, Faculty Mentor
A Functionalist Account of Sensory Illusion

2:30  37-2  SATOMI MAEDA
Dr. Terry Palmer, Faculty Mentor
Local Allocation of Visual Attention in Facial Expressions

2:45  37-3  JOANNA R. HOAG
Dr. Terry Palmer, Faculty Mentor
Featural Processing Determined by Reaction Times in Facial Attention: Eye vs. Mouth Dominance

3:00  37-4  TRAVIS SMITH*, BRYAN HOTUJEC, and CALLISTA WEBB
Dr. Fred Shaffer, Faculty Mentor
Effects of Music Tempo on Heart Rate

3:15  37-5  LOGAN BANKS^, ADAM LIPPS^, FREDERICK FRANKEN, LYNN GIDDINGS*, ASHLEY BURDEN, and JENNIFER SCHWYHART
Dr. Fred Shaffer, Faculty Mentor
The Comparative Effects of Position and Cordless Phone Equipment on Upper Trapezius and Cervical Paraspinal Surface EMG

2:15-3:15 PM  VH 1320
SESSION 38

PAPERS: SOCIAL SCIENCE DIVISION – World History
Presiding: Dr. David Robinson, Professor of History

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<tr>
<td>2:15</td>
<td>38-1</td>
<td>EMILY F. WEIDHAAS: Two Germanies, Two Histories: Interpretations of History in East and West Germany</td>
<td>Dr. David Robinson, Faculty Mentor</td>
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<tr>
<td>2:30</td>
<td>38-2</td>
<td>MICHAEL T. CONE: The Failure of the German Atomic Bomb Program</td>
<td>Dr. David Robinson, Faculty Mentor</td>
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<td>2:45</td>
<td>38-3</td>
<td>ELIZABETH M. SEVERS: Stalin’s Purges: One Event, Many Lives</td>
<td>Dr. Sally West, Faculty Mentor</td>
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<tr>
<td>3:00</td>
<td>38-4</td>
<td>STEPHANIE L. RUSSELL: From Entertainment to Entertained: The Transformation and Development of Leisure Among Chinese Immigrant Populations, 1850-1930</td>
<td>Dr. Steven D. Reschly, Faculty Mentor</td>
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3:30-3:45 PM  
OP Atrium & VH Atrium
BREAK

3:45-5:00 PM  
OP 2210
SESSION 39
PAPERS: FINE ARTS DIVISION – Issues in Musicology and Music Theory

Presiding: Dr. Marc Rice, Assistant Professor of Music

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<td>3:45</td>
<td>39-1</td>
<td>C. RENEE PARVIZ: The Development of the French Baroque Suite</td>
<td>Dr. Warren Gooch, Faculty Mentor</td>
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<td>4:00</td>
<td>39-2</td>
<td>VINCENT T. CHANDLER: The Evolution of Progressive Rock: Dream Theater and Classical Influences</td>
<td>Dr. Marc Rice, Faculty Mentor</td>
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<td>4:15</td>
<td>39-3</td>
<td>CHERAYLA J. DAVIS: The Role of Spirituals in the Freedom of Slaves</td>
<td>Dr. Marc Rice, Faculty Mentor</td>
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4:30  39-4  KATE M. CHRISTMAN  
Dr. Marc Rice, Faculty Mentor  
Brazilian Nationalism: An Analysis of Guarnieri’s Sonatina for Flute and Piano

4:45  39-5  KIRSTEN M. URICK  
Dr. Sherri Mattson, Faculty Mentor  
Stage Fright: Coping with Performance Anxiety from the Vocalist’s Perspective

3:45-5:00 PM  
SESSION 40  
VH 1228  
PAPERS: HUMAN POTENTIAL AND PERFORMANCE DIVISION –  
Exercise Physiology - Anaerobic

Presiding: Dr. Jerry Mayhew, Associate Professor of Health and Exercise Science

3:45  40-1  ELIZABETH A. WELSCH  
Dr. Jerry Mayhew, Faculty Mentor  
Electromyographical Activity of the Pectoralis Major and Anterior Deltoid Muscles During Three Upper Body Lifts

4:00  40-2  MARC L. HEINECKE*, JASON WAGGONER and ZAC COOPER  
Dr. Jerry Mayhew and Dr. Alex Koch, Faculty Mentors  
Comparison of Force Curves in Variable Resistance Bench Press and Isotonic Bench Press

4:15  40-3  CALIE M. FULMER*, DIANA L. BETSWORTH and SARA A. HATCHER  
Dr. Jerry Mayhew and Dr. Chris Lantz, Faculty Mentors  
Contributing Factors to Gender Differences in Anaerobic Power as Measured by the Margaria-Kalaman Stair Run

4:30  40-4  AARON B. ARMSTRONG  
Mrs. Mary Lou Cole and Dr. Jerry Mayhew, Faculty Mentors  
Repetitions in a Bench Press Workout

3:45-5:00 PM  
SESSION 41  
OP 2113  
PAPERS: INTERDISCIPLINARY –  
University issues & The Horse

Presiding: Dr. David Christiansen, Associate Professor of Classics
3:45 41-1  JAKE CZESCHIN  
Dr. James Padfield and Dr. Dean DeCock, Faculty Mentors  
Athletics Publicity and Freshman Recruitment at Truman State University and University of Missouri - Columbia

4:00 41-2  ADAM M. JOHNSON*, DEVIN WEISHUHN, MEGAN WIESE, and JENNA ZELLER  
Dr. James Padfield, Faculty Mentor  
Availability of Desired Commercial Enterprises between Truman State University, Missouri Public Universities, and CoPLAC Institutions

4:15 41-3  KARI J. HOEBING  
Dr. Charlie Apter and Dr. Julia DeLancey, Faculty Mentors  
A Comparison of the Value of the Horse in the Cowboy Era and Modern Times

4:30 41-4  ALEXIS N. SCHOENEKASE  
Dr. Charlie Apter and Dr. James Harmon, Faculty Mentors  
Perspectives of the Horse during Times of War

4:45 41-5  LAUREN E. STRANGE  
Dr. Charlie Apter, Dr. David Christiansen, and Dr. Sara Orel, Faculty Mentors  
Postures of Horses in Classical Artworks Reflect Stallion Sexual Behavior

3:45-4:45 PM  
SESSION 42  
PAPERS: INTERDISCIPLINARY – Phi Kappa Phi Session

3:45 42-1  JOSHUA M. SHIVE  
Dr. Terry Palmer, Faculty Mentor  
A Rhythm-Contingent Pitch Illusion

4:00 42-2  SHAWN M. DOYLE  
Dr. Shirley McKamie, Faculty Mentor  
Topics in Ethnomusicology: Can Copyright Law Protect Tribal Music?

4:15 42-3  LESLIE NICOLE BLANCHARD  
Dr. Joan Mather, Faculty Mentor  
Makeup: What’s On Your Face?

4:30 42-4  TISHA R. WILEY* and ERIKA B. VAN TUYL  
Dr. Karen L. Smith and Dr. John Perrachione, Faculty Mentors
Targeting Sexual Advertisements: The Impact of Model, Product, Suggestiveness, and Consumer Age

3:45-5:00 PM
SESSION 43

PAPERS: LANGUAGE AND LITERATURE DIVISION – Communication

Presiding: Dr. Todd Holm, Assistant Professor of Communication and Assistant Director of Forensics

3:45 43-1  JACLYN R. DEVINE
Dr. Todd Holm, Faculty Mentor
Online Fear Appeal: You Could Get Scammed!

4:00 43-2  HEATHER J. CARMACK
Dr. Todd Holm, Faculty Mentor
Everything’s Gonna Be All White: A Rhetorical Analysis of “The Fightin’ Whities"

4:15 43-3  JULIE A. ANDERSON
Dr. Todd Holm, Faculty Mentor
The Adrian Dominican Sisters

4:30 43-4  ROBERT L. STOKES, II
Dr. Andrew Klyukovski, Faculty Mentor
Critical Analysis of Hitler’s and Ezekiel’s Vision of the Apocalypse

4:45 43-5  HEATHER J. CARMACK
Dr. Janet Davis, Faculty Mentor
Does Slushy Mix Make a Narrative? An Examination of Narrative and Incongruity Theories in Josh and the Big Wall

3:45-5:00 PM
SESSION 44

PAPERS: LANGUAGE AND LITERATURE DIVISION – Communication

Presiding: Diane Johnson, Assistant Professor of Communication

3:45 44-1  AMY L. CARMACK
Diane Johnson, Faculty Mentor
Let’s Go to the Movies: An Examination of Cinema Therapy in Contemporary Society

4:00  44-2  SARA L. BATTY  
Diane Johnson, Faculty Mentor  
Women’s Body Image and the Media: The Negative Influence of Media on Women

4:15  44-3  FADZAI SMOUT  
Dr. Bob Tobia, Faculty Mentor  
Media Representation as an Indicator of Social Change in South Africa and Cuba

4:30  44-4  ERIN M. ABELN  
Dr. Barry Poyner, Faculty Mentor  
Musical Influence in Social Movements

4:45  44-5  SARAH STRULL  
Nancy Majewski, Faculty Mentor  
Burke and the Beatles: Identification and Consubstantiality Shed Light on an Old Favorite

3:45-4:15 PM  
SESSION 45  
OP 2111

PAPERS: MATHEMATICS & COMPUTER SCIENCE DIVISION – Statistics

Presiding: Dr. Jay Belanger, Associate Professor of Mathematics

3:45  45-1  LEVI J. GIOVANETTO  
Dr. Scott Alberts, Faculty Mentor  
Total Deviation: A New Statistic

4:00  45-2  JESSICA L. CHAPMAN  
Dr. Hyun-Joo Kim, Faculty Mentor  
Analysis of Covariance

3:45-5:00 PM  
SESSION 46  
OP 2117

PAPERS: SCIENCE DIVISION – Chemistry and Biochemistry
Presiding: Dr. Theo Clark, Assistant Professor of Chemistry

3:45  46-1  JOLITA SECKUTE  
Dr. Eric V. Patterson, Faculty Mentor  
Computational Chemistry Study on the Neutralization of Chemical Warfare Agent VX via Perhydrolysis

4:00  46-2  PHILIP R. SCHIFF  
Dr. Michael Goggin, Faculty Mentor  
Experiments in Atomic and Molecular Spectroscopy

4:15  46-3  NATE POLASKE  
Dr. Mark R. Campbell, Faculty Mentor  
Screening for High-Amylose Corn Genotypes Using Differential Scanning Calorimetry of Native Starches

4:30  46-4  CORINNE R. VOKOUN  
Dr. Daniel Vaughan M. Pultz, Faculty Mentor  
Molecular Orbital Calculations Applied to the Interpretation of Vibrational Circular Dichroism Spectra

4:45  46-5  ANDREA J. KAHLER\^  
Dr. Jose Herrera, Faculty Mentor  
Assessing Deoxynivalenol Binding Specificity by Lactic Acid Bacteria

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3:45-4:45 PM  
VH 1000  
SESSION 47  
PAPERS: SOCIAL SCIENCE DIVISION –  
Psychology and the College Student

Presiding: Dr. Judi Misale, Associate Professor of Psychology

3:45  47-1  SARAH E. SCHACK* and CATHERINE F. MARGAVIO  
Dr. Judi M. Misale, Faculty Mentor  
College Students and Politics: The Effects of Age

4:00  47-2  KIM WINTON*, SARA LITTLE, STEFANIE DREW and CYNTHIA KHAN  
Dr. David Conner, Faculty Mentor  
Assessing the Relationship between Adolescent Development and Self-Esteem/Body Image

4:15  47-3  JONATHAN S. THACKER and EMILY R. HOLEKAMP  
Dr. Robert Tigner, Faculty Mentor
What versus Where: An Examination of Memory for the Identity and Location of Objects

4:30  47-4  LEVI J. GIOVANETTO  
Dr. Robert Tigner, Faculty Mentor  
Room Attribution of Greek Life and Smoking on College Campuses

3:45-4:45 PM  
SESSION 48  
VH 1320

PAPERS: SOCIAL SCIENCE DIVISION –  
U. S.  History and Economics

Presiding: Dr. Jane Sung, Professor of Economics

3:45  48-1  ZACHARY W. BURDEN  
Dr. Thomas Zoumaras, Faculty Mentor  
What Happens When Johnny Comes Marching Home: A Look at Postwar Growth at the Northeast Missouri State Teachers College

4:00  48-2  ANDREW R. LEWIS  
Dr. Thomas Zoumaras, Faculty Mentor  
Allied in Depression and Allied in War: How Baseball and America Overcame Fifteen Difficult Years from 1930 to 1945

4:15  48-3  AMANDA C. TAUCHER* and MELANIE M. NOLKER  
Dr. Jane Sung, Faculty Mentor  
Economic Determinants of Unemployment: An Empirical Analysis

4:30  48-4  MATTHEW R. WALCZEWSKI* and SHUANG LI  
Dr. Jane Sung, Faculty Mentor  
Empirical Analysis of Consumer Confidence Index, Index of Consumer Sentiment: Explanation of Driving Factors

5:00-6:00 PM  
OP Atrium  
RECEPTION: ALL DIVISIONS