Twentieth Annual
Senior Thesis
Presentation Event

SPONSORED BY
The Eastern Kentucky University
Honors Program

APRIL 14-17, 2010
Kennamer and Herndon Rooms
Powell Building
Wednesday, April 14th
Herndon Room, Powell Bldg.

1:30 p.m.
Introductory Remarks
Dr. Linda Frost, Director, Honors Program

1:45-2:15 p.m.
“Finding the Dazzle”: An Exploration of the Young Adult Fiction Market
Rebecca Kirschbaum, presenter
Dr. Derek Nikitas, mentor
Emily Newsom, discussant

2:15-2:45 p.m.
NAFTA Theory and Fact
Andrew Lakin, presenter
Dr. Thomas Watkins, mentor
Rebecca Kirschbaum, discussant

2:45-3:15 p.m.
Student Governments: Shaping Today’s Leaders
Emily Newsom, presenter
Dr. Dorothy Carter, mentor
Andrew Lakin, discussant

BREAK: 3:15-3:30

3:30-4:00 p.m.
Reemerging Ancient Gods
Stephanie Bingham, presenter
Dr. Jackie Jay, mentor
Amanda Rice, discussant

4:00-4:30 p.m.
Montessori: A Difference in Learning for Teachers and Students
Erica Stafford, presenter
Dr. Jan Moore, mentor
Stephanie Bingham, discussant

4:30-5:00 p.m.
Relatively Evil
Amanda Rice, presenter
Dr. Matthew Winslow, mentor
Erica Stafford, discussant

BREAK: 5:00-5:15 p.m.

5:15-5:45 p.m.
The Spectrum of Sex in Men: Too Much, Too Little, Just Right? A Review of Existing Literature
Joel Goodrich, presenter
Dr. Theresa Botts, mentor
Mick Miller, discussant

5:45-6:15 p.m.
Falling in Hate: Traits that May Elicit Prejudice and Homophobia
Chelsey Nickum, presenter
Dr. Theresa Botts, mentor
Joel Goodrich, discussant

6:15-6:45 p.m.
Educational Effects of Using Physical Science Demonstrations in the Secondary Classroom Setting
Mick Miller, presenter
Dr. Melinda Wilder, mentor
Chelsey Nickum, discussant

Wednesday, April 14th
Kennamer Room, Powell Bldg.

1:30 p.m.
Introductory Remarks
Dr. Lisa Kay, Interim Associate Director, Honors Program

1:45-2:15 p.m.
Hippies: The Rise of a Counter Culture
Kevin Briscoe, presenter
Dr. April Brumfield, mentor
Rachel Jordan, discussant

2:15-2:45 p.m.
Brittany Pelgen, presenter
Dr. Diane Vance, mentor
Kevin Briscoe, discussant

2:45-3:15 p.m.
How Our Minds Keep Us Happy Through Cognitive Biases
Rachel Jordan, presenter
Dr. Catherine Clement, mentor
Brittany Pelgen, discussant

BREAK: 3:15-3:30

3:30-4:00 p.m.
Are Prescription Drugs Really That Expensive? A Realistic View to Drug Development
Brittany Osman, presenter
Dr. Martin Brock, mentor
Amanda Sheppard, discussant

4:00-4:30 p.m.
Systemic Disease: How Can Your Mouth Play a Role?
Robert Hayman, IV, presenter
Dr. Martin Brock, Mentor
Brittany Osman, discussant

4:30-5:00 p.m.
The Upside of Being Down: An Exploration of Literary Creativity and Depression
Amanda Sheppard, presenter
Dr. Theresa Botts, mentor
Robert Hayman, IV, discussant

BREAK: 5:00-5:15 p.m.

5:15-5:45 p.m.
Beekeeping: Top Bar Hives and Varroa Mites
Victoria Diersen, presenter
Dr. Stephen Sumithran, mentor
Travis Wheeler, discussant

5:45-6:15 p.m.
From Urizen to Jerusalem: A Visual Presentation of Blake’s Theology
Laura Lawson, presenter
Dr. Lisa Kay, mentor
Victoria Diersen, discussant

6:15-6:45 p.m.
ABO Blood Group Genotyping by PCR-RFLP
Travis Wheeler, presenter
Dr. Rebekah Waikel, mentor
Laura Lawson, discussant
Thursday, April 15th
Herndon Room, Powell Bldg.

12:30-12:45 p.m.  
Introductory Remarks  
Dr. Linda Frost, Director, Honors Program

12:45-1:15 p.m.  
- Of Heartstrings and Hills: Longing for Home in Appalachia  
  *Billi Renee Thompson*, presenter  
  Dr. Tim Ward, mentor  
  *Jessica Boley*, discussant

1:15-1:45 p.m.  
The Impacts of Pre-Columbian Native Peoples on Plant  
  Communities and Implications for Modern Ecological Restoration  
  *Emily Gilbreath*, presenter  
  Dr. Ron Jones, mentor  
  *Billi Renee Thompson*, discussant

1:45-2:15 p.m.  
- Drugs and Games: A look at the Personality Characteristics  
  of MMORPG Players and Drug Users  
  *Jessica Boley*, presenter  
  Dr. Dustin Wygant, mentor  
  *Emily Gilbreath*, discussant

BREAK 2:15-2:30 p.m.

2:30-3:00 p.m.  
- Ethnic Stereotyping: On the Present Perception of  
  Appalachian Women  
  *Kari Cotton*, presenter  
  Dr. Theresa Botts, mentor  
  Sarah Carty, discussant

3:00-3:30 p.m.  
- Mega-colon and Dominant White Spotting in Rabbits  
  *Amanda Wilks*, presenter  
  Dr. Barbara Ramey, mentor  
  *Kari Cotton*, discussant

3:30-4:00 p.m.  
- Antibiotic Resistance Mechanisms of Group B Streptococci  
  *Sarah Carty*, presenter  
  Dr. Marcia Pierce, mentor  
  *Amanda Wilks*, discussant

BREAK 4:00-4:30

4:30-5:00 p.m.  
- Sustainability of Eco-tourguiding in Northern  
  Madagascar  
  *Bethany Gabbard*, presenter  
  Dr. Benjamin Freed, mentor  
  Caleb Rice, discussant

5:00-5:30 p.m.  
- It’s Chemistry in the Baking  
  *Ashley Chaney*, presenter  
  Dr. Martin Brock, mentor  
  Bethany Gabbard, discussant

5:30-6:00 p.m.  
- Public Advisory Board: A New Step in Democracy  
  *Caleb Rice*, presenter  
  Dr. Gregory Gunderson, mentor  
  *Ashley Chaney*, discussant

6:30 p.m. Banquet: Keen Johnson Building
Special Guests: Friends of the Library
Special Speaker: Amy Greene

Thursday, April 15th
Kennamer Room, Powell Bldg.

12:30-12:45 p.m.  
Introductory Remarks  
Dr. Bonnie Gray, Director Emeritus, Honors Program

12:45-1:15 p.m.  
The Changing Views of Theropod Dinosaurs:  
  A New Breed of Horror  
  *Christopher Bellis-Jones*, presenter  
  Dr. Malcolm Frisbie, mentor  
  Adam Peak, discussant

1:15-1:45 p.m.  
- Investigating Function Convergence Conditions to  
  Determine Convergence in Variation  
  *Joshua Sparks*, presenter  
  Dr. Kirk Jones, mentor  
  Christopher Bellis-Jones, discussant

1:45-2:15 p.m.  
- An Ethnographic Look at European Community  
  Policing  
  *Adam Peak*, presenter  
  Dr. Chuck Fields, mentor  
  *Joshua Sparks*, discussant

BREAK 2:15-2:30 p.m.

2:30-3:00 p.m.  
- Cultural Enrichment via Study Abroad: Semester  
  Abroad in Spain  
  *Matthew Chadwell*, presenter  
  Dr. Ezra Engling, mentor  
  Danielle Lipscomb, discussant

3:00-3:30 p.m.  
- The Rise of Home-schooling in Jessamine County  
  *Jonathan Kleppinger*, presenter  
  Mr. Reggie Beehner, mentor  
  Matthew Chadwell, discussant

3:30-4:00 p.m.  
- Never Say Never  
  *Danielle Lipscomb*, presenter  
  Dr. Julia Robinson, mentor  
  Jonathan Kleppinger, discussant

BREAK 4:00-4:30

4:30-5:00 p.m.  
- Sexual Addiction: Too Much of a Good Thing  
  *Andrea Theobald*, presenter  
  Dr. Julia Robinson, mentor  
  Steven Thomas, discussant

5:00-5:30 p.m.  
- Adolescent Transitions: Lending a Helping Hand  
  Towards a Brighter Future  
  *Megan Farthing*, presenter  
  Ms. Amy Marshall, mentor  
  Andrea Theobald, discussant

5:30-6:00 p.m.  
- Comparing Media Systems: Why Public Broadcast Is  
  Worth Saving  
  *Steven Thomas*, presenter  
  Dr. Malcolm Frisbie, mentor  
  Megan Farthing, discussant

6:30 p.m. Banquet: Keen Johnson Building
Special Guests: Friends of the Library
Special Speaker: Amy Greene
Friday, April 16th
Herndon Room, Powell Bldg.

11:45-12:00 p.m.
Introductory Remarks
Dr. Linda Frost, Director, Honors Program

12:00-12:30 p.m.
The Effect of Family Meals on Childhood Obesity
Leah Barron, presenter
Dr. Erin Eliassen, mentor
Emily Adams, discussant

12:30-1:00 p.m.
All About Atrazine: What’s in Your Water?
Kelli Hogue, presenter
Dr. Worley Johnson, mentor
Leah Barron, discussant

1:00-1:30 p.m.
Perfect 10 or Perfect 16.9? A Look into Scoring Changes in International Gymnastics Competitions
Emily Adams, presenter
Dr. Heather Adams-Blair, mentor
Kelli Hogue, discussant

BREAK 1:30-1:45 p.m.

1:45-2:15 p.m.
Responsibilities and Training for Board of Directors
Danielle Arnold, presenter
Dr. Oliver Feltus, mentor
Connie Parker, discussant

2:15-2:45 p.m.
The Perez Hilton Effect
Jessica Gapp, presenter
Dr. Paula Kopacz, mentor
Danielle Arnold, discussant

2:45-3:15 p.m.
WWII Through My Father’s Eyes: A Memoir: Growing up with Post Traumatic Stress Disorder
Connie Parker, presenter
Dr. Paula Kopacz, mentor
Jessica Gapp, discussant

BREAK 3:15-3:30 p.m.

3:30-4:00 p.m.
The Systemic Effects of Periodontal Disease
Kasandra Barnes, presenter
Dr. David Eakin, mentor
David Abney, discussant

4:00-4:30 p.m.
Online Societies and their Psychological Impacts
David Abney, presenter
Dr. David Eakin, mentor
Kasandra Barnes, discussant

5:00-6:00 p.m. RECEPTION: Regents’ Dining Room

Friday, April 16th
Kennamer Room, Powell Bldg.

11:45-12:00 p.m.
Introductory Remarks
Dr. Lisa Kay, Interim Associate Director, Honors Program

12:00-12:30 p.m.
MRSA Control Methods on University Campuses
Jonathan Slone, presenter
Dr. Sheila Pressley, mentor
Sandy Singer, discussant

12:30-1:00 p.m.
Broaddus: An Intra-Site Spatial Analysis of Cordage Twist
Leann Lacy, presenter
Dr. Kelli Carmean, mentor
Leah Barron, discussant

1:00-1:30 p.m.
The Long Term Effect of Low Carbohydrate Diets
Sandy Singer, presenter
Dr. Mary Wilson, mentor
Leann Lacy, discussant

BREAK 1:30-1:45 p.m.

1:45-2:15 p.m.
The Evolution of the American Wedding Gown
Jessica Gailey, presenter
Dr. Susan Kipp, mentor
Hilda Kipelio, discussant

2:15-2:45 p.m.
Applications of Numerical Analysis
Brittney Walker, presenter
Dr. Ken Dutch, mentor
Jessica Gailey, discussant

2:45-3:15 p.m.
Green Sustainability in Colleges
Hilda Kipelio, presenter
Dr. James Zabawa, mentor
Brittney Walker, discussant

BREAK 3:15-3:30 p.m.

3:30-4:00 p.m.
A Computerized 3D Model of Neutrons: Maximizing Nuclear Fissions
Jeremy Cornett, presenter
Dr. Jerry Cook, mentor
Alex Henegar, discussant

4:00-4:30 p.m.
Salvation & Free Will
Richard M. Gaskin, presenter
Dr. Bruce MacLaren, mentor
Jeremy Cornett, discussant

4:30-5:00 p.m.
Tunability of Split-Ring Resonator Metamaterials in the Visible Using VO₂: Summer 2009 REU at Vanderbilt University
Alex Henegar, presenter
Dr. Jerry Cook, mentor
Richard M. Gaskin, discussant

5:00-6:00 p.m. RECEPTION: Regents’ Dining Room
Friday, April 16th
Herndon Room, Powell Bldg.

(Continued)

6:00-6:30 p.m.
Chemical Analysis of Cosmetics to Determine Possible Health Risks
Sara Ratliff, presenter
Dr. Darrin Smith, mentor
Chad Chumbley, discussant

6:30-7:00 p.m.
Postpartum Depression: Is It Truly a Common Illness?
Erin Camp, presenter
Dr. Myra Beth Bundy, mentor
Sara Ratliff, discussant

7:00-7:30 p.m.
Development of a Novel Extraction Laboratory for Undergraduate Chemistry and Forensic Science Students
Chad Chumbley, presenter
Dr. Darrin Smith, mentor
Erin Camp, discussant

Friday, April 16th
Kennamer Room, Powell Bldg.

(Continued)

6:00-6:30 p.m.
A Critical Evaluation of Plantinga’s Reformed Epistemology
Charles Kilburn, presenter
Dr. Minh Nguyen, mentor
Steven Kurk, discussant

6:30-7:00 p.m.
Extreme Makeover? Images of Soviet Women 1917-1940
Andrea McQueen, presenter
Dr. Jennifer Spock, mentor
Charles Kilburn, discussant

7:00-7:30 p.m.
Brother, Can You Spare a Song? A Musical History of America in the 20th Century
Steven Kurk, presenter
Dr. Karin Sehmann, mentor
Andrea McQueen, discussant

The Eastern Kentucky University Honors Program
The Honors Program seeks to provide intellectually stimulating courses within the general education program for students with excellent academic backgrounds and/or exceptional potential for superior performance in college. Students who graduate from the Honors Program and who complete their senior theses are recognized at graduation as Honors Scholars and wear a maroon mortarboard. Additional information about the program can be obtained from our website at www.honors.eku.edu.

A special thank you to Dr. Gene Kleppinger for serving as technology Consultant for this Event.
### Saturday, April 17th
#### Herndon Room, Powell Bldg.

**8:45-9:00 a.m.**  
Opening Remarks  
Dr. Linda Frost, Director, Honors Program

**9:00-9:30 a.m.**  
Brazilian Tattoo  
*Chris Koenig,* presenter  
Mr. Jason Koonz, mentor  
Tabitha Buis, discussant

**9:30-10:00 a.m.**  
Teaching Context Appropriate Language: Code  
Switching Strategies for the Secondary Classroom  
*Kelsey Royster,* presenter  
Dr. Sarah Tsiang, mentor  
Chris Koenig, discussant

**10:00-10:30 a.m.**  
Melanoma: Perception, Attitude, and Behavior  
Towards Tanning  
*Tabitha Buis,* presenter  
Dr. Tara Clark, mentor  
Kelsey Royster, discussant

**BREAK 10:30-10:45 a.m.**

**10:45-11:15 a.m.**  
Free Agency and Competitive Balance in the MLB  
*Sarah Hale,* presenter  
Dr. Frank O'Connor, mentor  
Sebastian Teran Hildago, discussant

**11:15-11:45 a.m.**  
Fast Food and Exercise Habits of EKU Students  
*Katie Patton,* presenter  
Dr. Jackie Jensen, mentor  
Sarah Hale, discussant

**11:45-12:15 p.m.**  
Oil as a Resource Curse in Developing Countries  
*Sebastian Teran Hildago,* presenter  
Dr. Frank O'Connor, mentor  
Katie Patton, discussant

**LUNCH BREAK 12:15-1:15 p.m.**

**1:15-1:45 p.m.**  
Mathematics Unit Plan for 3rd Grade Fractions  
*Rachel Stidam,* presenter  
Dr. Cheryl Crowe, mentor  
Katherine Carter, discussant

**1:45-2:15 p.m.**  
Effects of Technology within International Mathematics Education  
*Jonathan Marc Jones,* presenter  
Dr. Patrick Costello, mentor  
Rachel Stidam, discussant

**2:15-2:45 p.m.**  
Teaching Art in a Math Classroom  
*Katherine Carter,* presenter  
Dr. Patrick Costello, mentor  
Jonathan Marc Jones, discussant

### Saturday, April 17th
#### Kennamer Room, Powell Bldg.

**8:45-9:00 a.m.**  
Opening Remarks  
Mr. Mustapha Jourdini, Academic Advisor, Honors Program

**9:00-9:30 a.m.**  
The Role of Zoos in Conservation and Preservation of Genetic Biodiversity of Endangered Wildlife through Captive Breeding  
*Amber Crutcher,* presenter  
Dr. Laurie Rincker, mentor  
Rachel Downs, discussant

**9:30-10:00 a.m.**  
Rewards and Intrinsic Motivation in the Elementary Classroom  
*Lauren Smith,* presenter  
Dr. June Hyndman, mentor  
Amber Crutcher, discussant

**10:00-10:30 a.m.**  
The Balkan Peninsula: Ethnic Identity’s Role in a Tragic History  
*Rachael Downs,* presenter  
Dr. Ron Messerich, mentor  
Lauren Smith, discussant

**BREAK 10:30-10:45 a.m.**

**10:45-11:15 a.m.**  
"I Shall Never Forget her Appearance": (Ad) dressing a Child of Jane Austen  
*Lydia Farrow,* presenter  
Dr. Lisa Day-Lindsey, mentor  
Lacy Griffith, discussant

**11:15-11:45 a.m.**  
"The Past is Prologue": Patriarchy and Human Rights in Kurt Vonnegut’s *Slapstick*  
*Kara Lairson,* presenter  
Dr. Lisa Day-Lindsey, mentor  
Lydia Farrow, discussant

**11:45-12:15 p.m.**  
Interpersonal Communication: The *Twilight* Series  
*Lacy Griffith,* presenter  
Dr. Jennifer Fairchild, mentor  
Kara Lairson, discussant

**LUNCH BREAK 12:15-1:15 p.m.**

**1:15-1:45 p.m.**  
Breaking Down the Broken  
*Jessica Hart,* presenter  
Dr. Marianne McAdam, mentor  
Jacqueline Wolford, discussant

**1:45-2:15 p.m.**  
Moving in the Light: Liturgical Dance in the Contemporary Christian World  
*Allison Sernulka,* presenter  
Dr. Marianne McAdam, mentor  
Jessica Hart, discussant

**2:15-2:45 p.m.**  
Movement and Cognition  
*Jacqueline Wolford,* presenter  
Dr. Marianne McAdam, mentor  
Allison Sernulka, discussant
Saturday, April 17th
Herndon Room, Powell Bldg.

(Continued)

BREAK 2:45-3:15 p.m.

3:30-4:00 p.m.
  Collaboration Among Educators Benefits Students and Educators
  *Brianne South*, presenter
  Dr. Marlene White, mentor
  Lindsey Hill, discussant

4:00-4:30 p.m.
  The Mind, Body, and Soul of Yoga: An Enlightening Analysis of Its Origins, Styles, and Benefits
  *Lindsey Hill, Presenter*
  Dr. Marianne McAdam
  Brianne South, discussant

Notes