4th Annual Spring Academic Creativity and Excellence (ACE) Day

April 25, 2012
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ACE Day is planned and coordinated by the Undergraduate Research Committee
Tim Bergquist, Chair
Steve Caloudas
Coty Richardson
Nani Skaggs
Connie Wilmarth

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8:00 am—9:00 am | Registration | Chapel Lobby
9:00 am—10:00 am | Capstones—Music | Banquet Room

**Trevorrow, Matthew** (Music Industry, Senior)
- Advisor—John Hakes
- Course—MUS 422
- *New Day Album Presentation*
  - Matthew and Micah will play a few songs from the album.

**Wolfe, Desiree** (Music Industry, Senior)
- Advisor—John Hakes
- Course—MUS 422
- *Senior Folk Show*
  - Folk music by Peter Dagett, Original Cover, and friends. Album produced and mixed by Dezi Wolfe.

**Yeasley, Tabitha** (Music Industry, Senior)
- Advisor—John Hakes
- Course—MUS 422
- *War Letters*
  - Original duet written by Devin Bodeen and performed by Devin Bodeen and Tabitha Yeasley.

9:00 am—11:00 am | Posters—Capstones | Banquet Room

**Elyse Crichton** (Interdisciplinary Studies, Senior)
- Advisor—Mick Bollenbaugh
- Course—IDS 499
- *Second Language Acquisition*
  - I will address first language acquisition in children and adults compared to second language acquisition in adults. A survey of adults learning English at Downtown Languages was taken to learn which factors impact language the most.
Time | Activity | Location
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9:00 am—11:00 am | Posters—Capstones | Banquet Room

**Chauntel Semien** (Interdisciplinary Studies, Senior)
   Advisor—Mick Bollenbaugh
   Course—IDS 499

*How to Catch a Sex Offender*
   My project will focus on the process of catching a sex offender by analyzing past court cases that have succeeded and failed in prosecuting sex offenders. My paper will incorporate interviews of a prosecutor, a psychologist, and an officer that I have conducted and get their input of what their part is in the process of catching a sex offender.

**Brooke Davis** (Mathematics, Senior)
   Advisor—Connie Wilmarth
   Course—MATH 499

*Construction of a Simple Securities Market Model*
   The securities market includes stocks and bonds, but also many more less common types of securities. This presentation will introduce viewers to the basics of the market, including risk and the no-arbitrage principle. This principle requires that no risk-free investments with a guarantee of gain can be made, and once it is assumed to be true, many other facts and interesting truths can be derived. The presentation will explore this in more depth, and provide an equation for determining the future value of investments.

**Kenneth Dube** (Accounting, Senior)

**Kyle Dube** (Accounting, Senior)
   Advisor—Frank Paliotta
   Course—ACTG 499

*Accounting Standards Update: Intangibles-Goodwill and Other (Topic 350)-Testing Goodwill for Impairment*
   The purpose of this paper is to reveal why the Financial Accounting Standards Board (FASB) is updating the two step goodwill impairment test. This paper will discuss the reasons for the update, who is affected by the amendments of this update, the main provisions of the update, and when the amendments will be effective. A brief description of what the FASB is and does will be discussed as well.
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9:00 am—11:00 am | Posters—Capstones | Banquet Room

**Bridget Marasigan** (Accounting, Senior)
Advisor—Frank Paliotta
Course—ACTG 499

**Public and Private Organizations**
This project will compare and contract public and private organizations.

**Adam Traxtle** (Accounting, Senior)
Advisor—Frank Paliotta
Course—ACTG 499

**Generally Accepted Accounting Principles vs. International Financial Reporting Standards**
My project compares and contrasts GAAP and IFRS. The SEC is attempting to combine the two methods of accounting by 2014. My project analyzes the differences and similarities between the two methods of accounting.

9:00 am—11:00 am | Posters | Banquet Room

**Victoria Radli** (Education, Junior)

**Rachel Schneider** (Education, Junior)

**Jason Haggard** (Education, Junior)
Advisor—Brian Kaelin
Course—EDUC 321

**“3X4, or it’s Out the Door” A Classroom Management Comparison**
This presentation will discuss four stages—Analysis, Design and Development, Implementation, and Evaluation—of classroom management across three teacher certification levels—Early Childhood, Elementary, and Middle School.

9:00 am—11:00 am | Posters | Banquet Room

**Tiara Staley** (Education, Junior)

**Kelsey Atkins** (Education, Junior)
Advisor—Brian Kaelin
Course—EDUC 321

**3rd & 4th Grade Classroom Management Strategies**
We will be creating a poster that explains a variety of classroom management strategies/techniques for 3rd & 4th grade classrooms.
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**Amanda Wyncoop** (Education, Junior)
- **Advisor**—Brian Kaelin
- **Course**—EDUC 321

**Kimberley Block** (Education, Junior)

**Sarah Crofcheck** (Education, Junior)

**Jake Shinkle** (Education, Junior)
- **Advisor**—Brian Kaelin
- **Course**—EDUC 321

**Classroom Arrangements**
- Showing effective classroom arrangements throughout different age groups and class types. Effectively using classroom space to maximize learning.

**Daniel Endicott** (Education, Junior)
- **Advisor**—Brian Kaelin
- **Course**—EDUC 321

**Classroom Management**
- To showcase my philosophy of classroom management.

**Ashlee Conley** (Education, Junior)

**Tara Cook** (Education, Junior)

**Michael White** (Education, Junior)

**Corrine Maas** (Education, Junior)
- **Advisor**—Brian Kaelin
- **Course**—EDUC 321

**Classroom Management: Elementary and Secondary**
- The presentation is a comparison between secondary and elementary classroom management styles.

**Darrel Risen** (Education, Junior)

**Jordan Buhler** (Education, Junior)
- **Advisor**—Brian Kaelin
- **Course**—EDUC 321

**Overview of K-12 Classroom Management Styles**
- Looking at the way you would manage a classroom at the elementary level compared and contrasted to the high school level. A comparison of the different management styles between elementary and high school.

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9:00 am—11:00 am Posters             Banquet Room

Keegan Clark (Education, Junior)
Christina Salazar (Education, Junior)
Kristen Deltaven (Education, Junior)
   Advisor—Brian Kaelin
   Course—EDUC 321

How Class Jobs Benefit Students
Student jobs are a major part of classroom management. Students will be encouraged to stay on task in order to earn their “pay check.” Student jobs allow students in all social-economic classes to learn the real life task of getting a job and having a “pay check.” Our presentation will cover these topics in hope of encouraging future and present teachers to form classroom jobs.

Dawn Dean (Education, Junior)
Shawna Bradley (Education, Junior)
   Advisor—Brian Kaelin
   Course—EDUC 321

How to use Both Art & Music in Classroom Management and Transitions
Classroom management is a part of any classroom. You can either invest the time before, or spend it consistently throughout the school year. Better to spend the time at the beginning of the year than waste it throughout the school year. We believe that you can integrate both music and art through the use of transitions. There are many ways to use both art and music and we plan to discuss many ways in which it can be done.

9:00 am—11:00 am Work Samples EC 100

Laura Abbot (Elementary Education, Senior)
   Advisor—Vivian Moen
   Course—EDUC 415

Earth Explorers: A Fourth Graders Journey to the Center of the Earth
This work sample details a fourth grade classroom’s detailed trip to learn about several concepts of Earth, its layers, and the processes that occur on and below the surface.
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<tbody>
<tr>
<td>9:00 am—11:00 am</td>
<td>Work Samples</td>
<td>EC 100</td>
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</tbody>
</table>

**Christine Ancell** (Elementary Education, Senior)  
Advisor—Vivian Moen  
Course—EDUC 415  
*Oregon Regions, Social Studies*  
I will be presenting my major work sample which will involve examining the different regions or the state of Oregon.

**Abby Bessett** (Elementary Education, Senior)  
Advisor—Vivian Moen  
Course—EDUC 415  
*Multiplication*  
A presentation of lessons through multiplication in the third grade.

**Zachary Bessett** (Elementary Education, Senior)  
Advisor—Vivian Moen  
Course—EDUC 415  
*Inequalities in Secondary Math*  
Work sample outlining inequalities in secondary mathematics.

**Brittney Biro** (Elementary Education, Senior)  
Advisor—Vivian Moen  
Course—EDUC 415  
*You are What You Eat: A Guide to Nutrition*  
This 15 lesson work sample will walk second graders through the steps to take in order to live a healthy life, eating a balanced diet, liquid measurements, and the digestion system.

**Lydia Bowling** (Elementary Education, Senior)  
Advisor—Vivian Moen  
Course—EDUC 415  
*Polynomials and Their Functions*  
This unit covers advanced math standards and a writing standard. It analyzes student progress and achievement.

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<tr>
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<tr>
<td>2:00 pm—2:30 pm</td>
<td>Regular-Oral</td>
<td>A201</td>
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</table>

**Brooklyn Walker** (Elementary Education, Sophomore)  
Faculty Advisor—Chuck Sturms  
Course—Study Abroad  
*My Semester in India*  
I will present an overview of my semester of study abroad in India.

**Nicole Klingerman** (Communication, Senior)  
Faculty Advisor—Doyle Srader  
Course—COMM 499  
*Masculine and Feminine vs. Male and Female*  
Through past generations Americans have held onto the idea that masculine and feminine characteristics must mean a person is male or female. Recently, this ideas has been changing with the realization that these words do not depict a person’s gender roles. In order to get an idea of the views of NCU students on this campus, a survey was given. The survey consisted of the Bem Sex Role Inventory and ten questions. After the survey, the results were analyzed to see the similarities between previous research and the views of NCU students.

**Jenna Royce** (Communication, Senior)  
Faculty Advisor—Doyle Srader  
Course—COMM 499  
*Building Relationships and Communicating Effectively with Child Clients*  
Children caught in the legal system are consistently poorly represented. Many lawyers struggle with how to deal with children who are placed in the client role. This paper examines how lawyers must adjust their approach and focus on building a relationship with the child client—specifically communicating efficiently and effectively.
the indigenous group and the majority groups along with issues of some wanting assimilation while others wish for cultural survival.

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**Katlyn Temple** (English, Senior)
Faculty Advisor—James Gill  
Course—ENG 499

*Galvanizing Literature: Lesbian Pulp Fiction and the Cold War Gay Rights Movement*

The paperback publishing industry—popularly known as the pulp fiction industry—began to publish paperback novels with lesbian romantic and sexual themes in 1950. Lesbian pulp fiction became a popular genre between 1950 and 1969 and fell under scrutiny by United States censorship committees during the height of the Cold War. The books were a source of hope and consolation for a generation of lesbian and bisexual women, and this paper attempts to highlight the significance of lesbian pulp fiction in popular culture, especially in accordance with the gay liberation movement prior to the Stonewall Riots of 1969.

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**Lydia Bowling** (Mathematics, Senior)
Faculty Advisor—Connie Wilmarth  
Course—MATH 499

*A Brief History of Math and Math Education*
An overview of the development of mathematics which highlights major contributors before exploring how mathematics has developed in the schools of America.

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**Brittany McKinley** (Psychology, Senior)
Faculty Advisor—Steve Caloudas  
Course—PSY 499

*Gratitude and Subjective Well-being in Daily Life*
I am examining the literature that investigates gratitude and subjective well-being in daily lives. Specifically interested in the relationship between gratitude and forgiveness and well-being. This study will focus on the effect of expressing emotions of gratitude on psychological and physical well-being.
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**Melissa Ferguson** (Elementary Education, Senior)  
Advisor—Vivian Moen  
Course—EDUC 415  

**Health**  
This work sample has 15 lessons that are devoted to covering all of the health standards for third graders. They will cover topics such as safety, nutrition, fitness, and safe touch.

**Rhiana Harr** (Elementary Education, Senior)  
Advisor—Vivian Moen  
Course—EDUC 415  

**Changes Over Time**  
A representation of my unit covering the topics of Darwin and the Theory of Evolution.

**Meghan Holderby** (Elementary Education, Senior)  
Advisor—Vivian Moen  
Course—EDUC 415  

**The Hunger Games" (Secondary Language Arts)**  
This teacher work sample details the professional development and implementation process of 15 lessons for a secondary language arts classroom. The focus is on the use of the popular young adult novel, *The Hunger Games*.

**Elizabeth Jablonski** (Elementary Education, Senior)  
Advisor—Vivian Moen  
Course—EDUC 415  

**Weather**  
This weather work sample is a very useful tool for teachers. Its focus is on my work at Willagillespie Elementary. It is based on a weather unit lesson plan for first graders with many other teaching tools.

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**Street** demonstrate how powerful an author’s voice can be when they are able to record the experiences and history that has been excluded.

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**Abby Perry** (Interdisciplinary Studies, Senior)  
Faculty Advisor—Mick Bollenbaugh  
Course—IDS 499  

**Communication Behaviors of Defiant Latency-Age Children**  
The communication behaviors of defiant children ages six to teen are unique and particular to their age. The psychosocial development of their relationship to the teacher facilitates behavioral patterns.

1:30 pm—2:00 pm  
**Samantha Zysett** (Psychology, Senior)  
Faculty Advisor—Nani Skaggs  
Course—PSY 499  

**The Psychology of Worship in Lyrical Content: Framing the Worship Setting**  
Many pastors and worship leaders propose that any song, whether originally purposed for Christ or not, when put into the context of a worship setting can be used to glorify God. The present study will explore whether or not framing has any effect in the presentation of secular, non-God centered, or ambiguous lyrical content when this same said lyrical content is presented in the context of a worship setting, where the goal is to elicit a response from the audience.

1:30 pm—2:00 pm  
**Jordan Henderson** (Global Studies, Senior)  
Faculty Advisor—Ron Palmer  
Course—GLST 499  

**Institutional Discrimination, the Oppression of Native Cultures: What is Left for Ainu & Mapuche Way of Life?**  
Between the generations of western development and modernization throughout the world, people have come to see just how better their lives are from being a part of this movement. Few pockets of societies across the globe do, however, which to keep close to traditional customs. The native Ainu of Japan along with the indigenous Mapuche people of Chile and Argentina have long been discriminated against by the local main stream culture. Within my study I shall review the tension between
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<td><strong>Brittany Yip</strong> (Psychology, Senior)</td>
<td>Faculty Advisor—Nani Skaggs</td>
<td>Course—PSY 499</td>
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<tr>
<td><strong>Investigating the Connection Between Chapel and Students Religious Experience</strong></td>
<td>Traditional undergraduate NCU students will be recruited through an email to complete the survey. They will be asked a series of questions about demographics, chapel, and Allport and Ross’ religious orientation scale. The intrinsic score should be positively correlated with being more religious.</td>
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<td><strong>Valerie Durbin</strong> (History, Senior)</td>
<td>Faculty Advisor—Ron Palmer</td>
<td>Course—HIST 490</td>
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<tr>
<td><strong>Augustus Caesar Founding an Empire</strong></td>
<td>How Augustus Caesar successfully transformed the Roman Republic into an empire.</td>
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<tr>
<td><strong>Jenna Royce</strong> (English, Senior)</td>
<td>Faculty Advisor—James Gill</td>
<td>Course—ENG 499</td>
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</table>
| **Breaking the Silence as Female Minority Writers** | Historically, female minority authors have struggled with finding their voice in a society that forces their silence. Language has given these authors the ability to assert a place in history and define their identity and experience as both persons of color and women. Toni Morrison’s *The Bluest Eye* and Sandra Cisneros’ *The House on Mango...****

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<td><strong>Daniel Jones</strong> (Elementary Education/History, Senior)</td>
<td>Advisor—Vivian Moen</td>
<td>Course—EDUC 415</td>
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<tr>
<td><strong>Intro to Economics</strong></td>
<td>This work sample covers the first three chapters of economics at a senior level. It includes multiple simulations and role plays which give students full control of their progress and grade. An overview of student performance is included.</td>
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<tr>
<td><strong>Megan Mazanec</strong> (Elementary Education, Senior)</td>
<td>Advisor—Vivian Moen</td>
<td>Course—EDUC 415</td>
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<tr>
<td><strong>Systems of Equations</strong></td>
<td>I will be talking about my major work sample about how to solve linear equations in a 6th grade classroom.</td>
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<td><strong>Brody McGowan</strong> (Elementary Education, Senior)</td>
<td>Advisor—Vivian Moen</td>
<td>Course—EDUC 415</td>
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<tr>
<td><strong>Our Amazing Solar System</strong></td>
<td>This work sample is a demonstration of a unit based on the solar system for fifth grade level. Presented will be activities, lessons, projects, and test that will show how the students learned. Implemented will be teaching strategies and resources as well.</td>
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<td><strong>Nancy Neal</strong> (Elementary Education, Senior)</td>
<td>Advisor—Vivian Moen</td>
<td>Course—EDUC 415</td>
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<tr>
<td><strong>The Giving Seeds</strong></td>
<td>This unit includes parts of a plant, photosynthesis, biomass, producers, natural resources, and community information.</td>
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<tr>
<td><strong>Brianna Nelson</strong> (Elementary Education, Senior)</td>
<td>Advisor—Vivian Moen</td>
<td>Course—EDUC 415</td>
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<tr>
<td><strong>Australia</strong></td>
<td>I will be presenting my work sample which includes 15 lesson plans and different materials on Australia.</td>
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<td><strong>Tameka Olsen</strong> (Elementary Education, Senior)</td>
<td>Advisor—Vivian Moen Course—EDUC 415</td>
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<td><strong>Air and Weather Science Unit</strong></td>
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<td>This work sample will introduce students to the concepts of air and weather through implementation of monitoring weather changes and individual weather journals. Students were also introduced to scientific instruments and vocabulary to extend knowledge.</td>
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<td><strong>Brittany Petersen</strong> (Elementary Education, Senior)</td>
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<td><strong>Ideas &amp; Inventions</strong></td>
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<td>The senior work sample takes viewers through everything that is required for a teacher to teach one unit. “Ideas and Inventions” is a science unit that I prepared for my 4th grade students at Centennial Elementary.</td>
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<td><strong>Patrick Rose</strong> (Elementary Education, Senior)</td>
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<td><strong>War on the Shore and the Land of More</strong></td>
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<td>Work sample presentation of my practicum lesson plans on the American Revolution.</td>
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<td><strong>Jamie Sells</strong> (Elementary Education, Senior)</td>
<td>Advisor—Vivian Moen Course—EDUC 415</td>
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<td><strong>Around the World in 15 Days</strong></td>
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<td>This is a unit on geography where the students will be learning continents, oceans, seas, etc.. They will then try to focus n where they are located in the world.</td>
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<td><strong>Brittney Spicer</strong> (Elementary Education, Senior)</td>
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<td><strong>Becoming a Detective With “And then There Were None”</strong></td>
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<td>While reading And Then There Were None students become detectives while trying to solve the multiple murders on Soldier Island.</td>
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<td><strong>Posters</strong></td>
<td>Banquet Room</td>
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<tr>
<td><strong>Eric Fromm</strong> (Communications, Sophomore)</td>
<td>Faculty Advisor—Doyle Srader Course—COMM 340</td>
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<td><strong>McArthur’s “I Have Returned” Speech</strong></td>
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<td>I will be analyzing McArthur’s speech that he gave in the Philippines. The critical criticism being used is cluster criticism. It will start off with background information then enter into what the key terms are. The analysis will show his terministic screen.</td>
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<td><strong>Charolene Somatis</strong> (Psychology, Senior)</td>
<td>Faculty Advisor—Doyle Srader Course—COMM 340</td>
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<td><strong>The World of Vlogs—A Generic Description</strong></td>
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<td>In the last couple of years, YouTube has seen a large increase in vloggers (video bloggers). Through the rhetorical criticism style of generic description I believe vlogging can be labeled as a new genre of rhetoric.</td>
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<td><strong>Preston Carmack</strong> (Music Industry, Senior)</td>
<td>Faculty Advisor—John Hakes Course—MUS 372</td>
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<td><strong>The Making of a Tour</strong></td>
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<td>An in-depth look at what it takes to put together a band’s tour. The project is based on the work that was done over the last nine months for ER’s summer 2012 tour.</td>
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<tr>
<td><strong>Chase Clark</strong> (Music Industry, Senior)</td>
<td>Faculty Advisor—John Hakes Course—MUS 372</td>
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<td><strong>How to Book and Run a Show</strong></td>
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<td>Learn the ins and outs of what it takes to set up a show.</td>
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<tr>
<td><strong>Tabitha Yeasley</strong> (Music Industry, Senior)</td>
<td>Faculty Advisor—John Hakes Course—MUS 372</td>
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<td><strong>Legacy Showcase</strong></td>
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<td>A rundown of planning and promoting the music industry program’s showcase concert.</td>
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**Stephanie Hescock** (Business Administration, Senior)
  Faculty Advisor—Tim Bergquist
  Course—BUS 410

*Hescock and Sons Excavating: The Logging Process*
  This project looks at the logging process and the many details that are required. It includes information on an organization, a flow chart of the process, and possible improvements that can be made.

**Alisandra Alcocer** (Business Administration, Senior)
  Faculty Advisor—Tim Bergquist
  Course—MATH 315

*Student Work Athletes*
  I will be presenting a survey that I took amongst NCU student athletes that have jobs. The presentation will include the information that was gathered.

**Stephanie Roland** (Business Administration/Accounting, Senior)
  Faculty Advisor—Tim Bergquist
  Course—MATH 315

*Statistical Analysis of Smosh*
  A statistical analysis of the YouTube group, Smosh, and their 2011 views.

**Cody Aucoin** (Bible and Theology, Senior)
  Faculty Advisor—Doyle Srader
  Course—COMM 340

*A Fantasy-Theme Criticism of Exodus 15*
  I am doing a fantasy-theme criticism of Exodus 15, which is the words of a song by Moses immediately preceding the destruction of the Egyptians in the Red Sea. I will discover key themes in the artifact in order to discover the worldview of Israel.

**Susan Leip** (Communications, Junior)
  Faculty Advisor—Doyle Srader
  Course—COMM 340

*A Narrative Criticism of The Lord of the Rings*
  A look at the story of Aragorn (a character in *The Lord of the Rings*) and how history is a parallel to the history of England.

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**Karlie Vath** (Secondary Education/Mathematics, Senior)
  Advisor—Vivian Moen
  Course—EDUC 415

*Factoring Polynomials & Final Review*
  Presenting work sample with 15 lessons on factoring and reviewing for final, as well as school and classroom information.

**Megan Weidenhaft** (Elementary Education, Senior)
  Advisor—Vivian Moen
  Course—EDUC 415

*Classifying Animals*
  I will be presenting my work sample that is a 1st grade science unit on classifying animals.

**Karly Welty** (Elementary Education, Senior)
  Advisor—Vivian Moen
  Course—EDUC 415

*Weather (First Grade)*
  This is a 20 lesson work sample intended for first grade. It focuses on weather observations, temperature, clouds, the water cycle, wind, and severe weather.

**Kristy Westbrooks** (Elementary Education, Senior)
  Advisor—Vivian Moen
  Course—EDUC 415

*Fun with Fiction: A Focus on Literary Elements! (7th Grade English Language Arts)*
  This work sample focuses on recognizing, defining, and interpreting the literary elements of fiction. It is designed for seventh grade English and is centered around a variety of short stories.

**Areyell Williams** (Elementary Education, Senior)
  Advisor—Vivian Moen
  Course—EDUC 415

*Black History*
  This is a work sample related to black history in America.
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**Hope Williams** (Elementary Education, Senior)
- Advisor—Vivian Moen
- Course—EDUC 415

*Reasoning...Measuring...Applying*
My work sample covers five state standards and 15 lesson plans as well as a literacy lesson. This also analyzes student work and achievement.

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**Rose Carrigan** (Psychology, Senior)
- Faculty Advisor—Nani Skaggs
- Course—PSY 499

*The Negative Effects of Attractiveness on Job Applicants*
My experiment is an exploration of the “beauty is beastly” effect based on Johnson, Podratz, Dipboye, & Gibson (2010). They found that there are negative consequences of being an attractive woman and applying for masculine dominated positions. It is expected that participants will choose the unattractive woman for positions that have been male sex-typed and that attractiveness is of less importance. For positions that are female sex-typed and have a high importance for attractiveness, it is expected that the attractive woman will be chosen.

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**Alexandria Foster** (History, Senior)
- Faculty Advisor—Steve Goetz
- Course—HIST 499

*New Generation of Open and Affirming Denominations*
In my presentation I plan to explain the journey of becoming a denomination that is open and affirming to open homosexual individuals and partners. I will use the Episcopal Church USA and the ELCA (Evangelical Lutheran Church of America) as case studies.

**Martha Taylor** (Business Administration, Senior)
- Advisor/Dave Quirk
- Course—BUS 499

**Lucas Cash** (Business Administration, Senior)
- Advisor/Dave Quirk
- Course—BUS 499

**Jordan Henderson** (Business Administration, Senior)
- Faculty Advisor—Dave Quirk
- Course—BUS 499

**Team Chester**
Overview of our progress within our in-class business simulation.

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**Patricia Martinez** (Exercise Science, Freshman)
- Advisor—Tracy Vermilyea
- Course—BIOL 200

**Emily O’Neal** (Exercise Science, Freshman)
- Advisor—Tracy Vermilyea
- Course—BIOL 200

**Bean Growth in Accordance t Light and Water Quality**
Soil makers and fertilizer producers are always promoting their product as the most beneficial factor for plant growth, but what other factors play into promoting healthy plants? One major factor that deals with plant growth is environment, such as light and dark, that factors into the amount of photosynthesis which can take place. Another factor that is important to consider is the quality of water being fed to the plants. This poster will attempt to show the difference that light and water have on plant growth and conclude why each source produced each result.

**Melyssa Weber** (Exercise Science, Freshman)
- Advisor—Tracy Vermilyea
- Course—BIOL 200

**Breanna Schmidt** (Exercise Science, Freshman)
- Advisor—Tracy Vermilyea
- Course—BIOL 200

**Metabolism of Different Types of Sugars by Yeast**
Yeast metabolizes sugars and carbohydrates forming carbon dioxide thus allowing the bread to rise. Our first trial was observing the amount of foam created by the sugar and yeast reacting. Our second trial was observing how much the bread rose before and after being baked. Then we compared the results with the first trial.
<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>10:30 am—11:00 am</td>
<td>Capstone-Oral</td>
<td>L203</td>
</tr>
<tr>
<td><strong>David Vermilyea</strong> (Psychology, Senior)</td>
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<tr>
<td>Faculty Advisor—Nani Skaggs</td>
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<td>Course—PSY 499</td>
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<tr>
<td><em>The Plasticity of the Depressed Brain</em></td>
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<td>It has long been thought that depression can be treated with the use of antidepressants mixed with various forms of psychotherapy, but what exactly does the brain need in order to function correctly? There are neurological differences that exist between the non-depressed person and the depressed person. How the depressed brain can change into a “happy” functional brain will be discussed.</td>
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| 10:30 am—11:00 am | Capstone-Oral              | A201     |
| **Daniel Jones** (History, Senior) |                          |          |
| Faculty Advisor—Ron Palmer          |                          |          |
| Course—HIST 499                   |                          |          |
| *Evolution of the Thinking Soldier: How British Light Infantry of the War of Independence Paved the Way for the American Paratrooper* |                          |          |
| Throughout civilization, most armies were drilled to become a machine, moving as one. However, a few elite groups broke that mold, light infantry and paratroopers being striking examples. This work analyzes and compares these two groups. |          |

| 10:30 am—11:00 am | Regular-Oral              | P103     |
| **William Bradley** (Education, Junior) |                          |          |
| **Scott Perkins** (Education, Junior) |                          |          |
| **Melissa Webster** (Education, Junior) |                          |          |
| Advisor—Brian Kaelin                |                          |          |
| Course—EDUC 321                     |                          |          |
| *Techniques for Teaching Math to Middle and High School Students* |                          |          |
| There are key differences in math teaching between the middle and high school levels that effectively require teachers to adopt vastly different strategies. These instructional strategies will be compared and contrasted at various levels of math. |          |

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<tr>
<td><strong>Cody Aucoin</strong> (Bible and Theology, Senior)</td>
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<td>Faculty Advisor—Ron Heine</td>
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<td>Course—BTH 499</td>
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<td><em>The Resurrection of Jesus Christ</em></td>
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<td>I will show how the resurrection of Jesus is credible. It was not influenced by Greek thought or in retaliation of Roman dominance, but a factual, historical event witnessed and testified by the original disciples of Jesus and their followers.</td>
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| 9:00 am—9:30 am | Capstone-Oral              | P114     |
| **Justin Ward** (Business Administration, Senior) |                          |          |
| **Stephanie Hescoc** (Business Administration, Senior) |                          |          |
| Faculty Advisor—Dave Quirk                 |                          |          |
| Course—BUS 499                             |                          |          |
| *Team Digby Foundation Simulation* |                          |          |
| A presentation of our business simulation project detailing the products we produced, the strategy we used, and the outcome of our business. |          |

<p>| 9:30 am—10:00 am | Capstone-Oral              | L203     |
| <strong>Joel Leinbach</strong> (Psychology, Senior) |                          |          |
| Faculty Advisor—Nani Skaggs               |                          |          |
| Course—PSY 499                             |                          |          |
| <em>Beyond the Call of Duty: A Review of Organizational Citizenship Behavior</em> |                          |          |
| Organizational Citizenship Behavior (OCB) refers to acts that are beneficial to an organization, but live outside the parameters of the required performance of a job description. These behaviors can be directed towards another individual (OCB-I) or they can be organization-oriented (OCB-O). This paper provides a broad overview of the development of this sub-section of organizational behavior from its early stages that sought to find its antecedents, to more current studies that focus on its outcomes. An understanding of OCB will aid in the development of a productive workforce. |          |</p>
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<td><strong>Zachary Harper</strong> (History, Senior)</td>
<td>Faculty Advisor—Steve Goetz</td>
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<td><strong>The 6-Day War</strong></td>
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<td>I examined the Arab-Israeli conflict focusing on the 1967 war in June. Why did it happen? Why did it go the way it did? What effect did it have on later events?</td>
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<td><strong>Skyler Bascom</strong> (Bible and Theology, Senior)</td>
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<td></td>
<td><strong>An Alternative Approach to Ignatius’ So Called “Processional Imagery’” in Eph 9:2</strong></td>
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<td>Since 1885 scholars have followed J.B. Lightfoot’s trend of interpreting Ignatius’ imagery in EPH 9:2 as “processional.” This paper reconsiders this trend and suggests that his imagery is more reflective of Jewish roots and less reflective of pagan processions.</td>
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<td><strong>Chase Cleaver</strong> (Business Administration, Senior)</td>
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<td><strong>Juan Guitron</strong> (Business Administration, Senior)</td>
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<td></td>
<td><strong>The Significance of “Paidofthoros” within Second-Century Christian Discourse Against Male Homoeroticism</strong></td>
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<td>In previous work on second-century Christian attitudes toward male homoeroticism (homosexuality) the Greek word paidofthoros was thought to mean pedophilia. Christians of the second century, however, used it to reject a very specific form of male homoeroticism common to Greco-Roman culture: that between males of differing social status.</td>
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