Fine Arts, Social Science, Interdisciplinary/Service Learning Poster Session

Ardolf Science Center 105, CSB

Psychology
Janet Tilstra, Ben Faber (Janet Tilstra, Ben Faber, Psychology) Developmental Psychology Fair

In this poster session, students enrolled in Dr. Tilstra and Dr. Faber’s Developmental Psychology Spring 2012 classes (Psyc 360 sections 02A and 04A) will present interactive displays related to lifespan development theory or application. Displays will relate to individual and cohort age-related changes in biological processes, cognition, social development, or personality. These presentations represent a consolidation of service learning experiences, research, and course content.

Gorecki Center 204 A-C, CSB

Education
Katherine M. Chambers (Christopher Bolin, Education) Creative Cloud

Creative Cloud is a program at the Saint Cloud Public Library started by CSBSJU students and faculty. The aim of the program is to spark youth interest in the Literary Arts. Roughly every other weekend starting from January 21st and running until May 5th. The poster will illustrate the different age groups and lesson plans that have been used through out the semester.

English
Katherine M. Chambers (Christopher Bolin, English) Creative Cloud

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Experiential Learning & Community Engagement
Katherine M. Chambers (Christopher Bolin, Experiential Learning & Community Engagement) Creative Cloud
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Gorecki Center A, B & C, CSB

Art

Melissa E. Pinkowski (Marah Jacobson-Schulte, Art) A Mural for Waite Park

My Sophomore Topics art class and I participated in a Service Learning project in which we had to design, pitch and create a mural for the Al Ringsmuth Library in Waite Park. We were separated into 6 teams of 3 and one design was chosen as the central template for the final design. My team and my design was chosen as the jumping off design. We had to collaborate with the class to create the final product and plan how we were going to work on the mural. We worked on this project from October to early December. We all volunteered up to 5 hours per week until the project was finished. We also worked on a children’s mural that included the children of the community to get in on the painting fun.

Adia M. Zeman (Marah Jacobson-Schulte, Art) Jackson Fellowship: Lyric Arts Theater

This poster details the work I completed as a part of the Jackson Fellowship at Lyric Arts Theater of Anoka. Lyric Arts is a 501(c)3 non-profit and is the only full-time community theater in the northern suburbs. As a part of my fellowship, I created a marketing plan, assisted with event planning and implementation, created social media outreach, and wrote and distributed press releases among other activities.

Biology

Jon Schoenecker, John Cicchese (Don Fischer, Biology) Optimal Angle of Knee Flexion for Maximal Vertical Jump in Division III Collegiate Athletes

Vertical jump is often used as a measure of lower body power. However, the validity of vertical jump test results may be affected by the athlete’s jump technique, including knee flexion take-off angle. The purpose of this study was to measure the effect of three countermovement knee flexion take-off angles on vertical jump height. Twelve Division III male collegiate
football players volunteered to participate in this study (18-22 years old). Participants performed three countermovement vertical jumps for each of the three trials: knee flexion take-off angle at 50, 80, and 110 degrees). Vertical jump height was measured to the nearest tenth of an inch with a Just Jump contact mat and converted to centimeters. Repeated measures ANOVA revealed a significant effect of knee flexion angle [F(2, 22) = 25.268, p ≤ 0.001]. A pairwise comparison revealed significant greater jump height when the knee flexion take-off angle was 80 degrees (67.417 ± 1.730 cm; p ≤ .001) and 110 degrees (68.791 ± 1.755 cm; p ≤ .001) compared to 50 degrees (61.595 ± 1.369 cm). No significance in vertical jump height was found between the 80 and 110 degree knee flexion take-off angle trials (p = .412). Therefore, a knee flexion take-off angle between 80 and 110 degrees appears to be advantageous in maximizing vertical jump height.

Jessica R. Woelfel, Katie J. Schwab, Jacob L. Helmer, Andrea M. Tobias (Mary Stenson, Don Fischer, Biology) Effects of cold water immersion on competitive female dancers during 3 days of unaccustomed training

Athletes training multiple times per day require fast, effective recovery methods. Cold water immersion (CWI) is commonly used by athletes to speed recovery and attenuate muscle soreness, edema, and inflammation in order to maintain performance during subsequent exercise bouts.

The purpose of this study was to investigate the effects of post-exercise CWI during three days of unaccustomed intense training, on fatigue, perceived muscle soreness (PMS), flexibility, thigh circumference, vertical jump, agility, and anaerobic capacity in competitive female dancers.

Twelve untrained female dancers (18-22 years old) completed three light to intense pre-season exercise sessions per day for three consecutive days. Morning workouts consisted of two hours of moderate to high intensity training, followed by either CWI (10 min at 10 C, N=7) of the lower body covering the hips and legs or no treatment (N=5). Subjects completed three hours of moderate intensity dance in the afternoons, and one to two hours of easy dance in the evening. Rectus femoris, hamstring, and gastrocnemius flexibility, thigh circumference in three areas, vertical jump, and PMS were measured before the morning session, before treatment, and after the afternoon session. Agility and anaerobic capacity tests were performed prior to the morning workouts on the first and fourth training days.
No significant differences (p> 0.05) were observed between groups over time in flexibility, vertical jump, agility, anaerobic capacity, fatigue, or PMS. Significant differences (p < 0.05) were observed in mid-thigh circumference over time, specifically during day 2 of training. A non-significant trend (p> 0.05) towards smaller mid-thigh circumference over time in the CWI group was also observed. A trend towards increased gastrocnemius flexibility from baseline to 72 hr post was observed in the CWI treatment (BL: 12.40 ± 1.90 degrees; 72 hr post: 13.20 ± 2.61 degrees, p > 0.05, d =0.35), while a decrease in flexibility was observed in the control treatment (BL: 15.57 ± 1.61 degrees, 72 hr post: 13.14 ± 2.21 degrees, p > 0.05, d =1.26). CWI, did not enhance subsequent performance or recovery or attenuate perceived muscle soreness over 3 days in untrained competitive female dancers. Effect size indicates that the results may be limited by the small sample size in each group.

**Communication**

Kellie K. Siembieda, Dillon A. Biel (Marah Jacobson-Schulte, Communication)
Service Learning

We served at Discovery Kidstop throughout the Spring Semester for our Media and Children class (Comm 348). Throughout learning about media’s impact on children in class, we will be sharing our experience working with Kidstop in a way that allows others to better understand the importance of limited media interaction with children. We will be describing our time at Kidstop, mainly, but possibly incorporating more information about media’s impact on children and the ways we saw this impact during our service learning experience.

Jackie O. Carlson, Adia M. Zeman (Marah Jacobson-Schulte, Communication)
Service-Learning

The Service-Learning poster will highlight the relationship between the office of Experiential Learning & Community Engagement, students, faculty, and community partners.

**Natural Sciences, Humanities Poster Session**

*Quadrangle Alumni Lounge, SJU*

**Art**

Becca L. Simon, Laura A. Nierengarten (Jim Crumley, Art) Designing an Intuitive Drawing Program Using Arduino
Given a self-contained circuit board, Arduino, we embarked on the task of developing an intuitive drawing program. The idea of this program is that, given a portable power source, it can be used anywhere as a sort of "electronic coloring sheet". We wrote a program to enable the user to upload his or her own image from an SD card on which to draw on the Arduino touch screen. This can range from coloring pages to more detailed images. The user has a palette of colors from which to choose. With tweaks to the program, even more colors may be chosen. Once finished with a drawing, the user has a choice between restarting on a blank image or drawing on their own blank canvas.

Astronomy

Kathryn A. Barclay (Jim Crumley, Astronomy) Mass Extinction due to Comet Impact

We had to determine the probability of mass extinction due to comet collision in the near future. We initially attacked this problem by building a rough equation for the probability based on variables such as the number of comets large enough to cause damage and the probability that they would come into contact with the earth. We then began research on types of comets and their location in our solar system. After our initial research we were able to eliminate many variables due to their insignificant effect on the equation. We discovered an equation used to calculate the probability any given near-earth asteroid will hit the earth and adapted this for comets. Then we used the number of earth crossing comets along with our knowledge of what size would cause mass extinction to calculate our probability. Afterwards we explore the (many) possible sources of uncertainty as well as what effect an impact of this magnitude would have on earth.

Alexandra M. Brancale (Jim Crumley, Astronomy) Mass Extinction due to a Gamma Ray Burst

My poster will describe the likelihood of a mass extinction on earth due to a gamma ray burst. Part of the poster will be dedicated to describing what a gamma ray burst is. Then, I will display the information we collected on the theories that have already been proposed of mass extinctions due to gamma ray bursts. Next, I will display the different equations used to calculate the probability of this occurrence. These equations use estimates of radiation density, density of a typical galaxy, and event rates. I will display some graphs of our information that represent the probabilities for a
visual component. My favorite part of the presentation is the part where we predict what would happen if a gamma ray burst were to hit the earth.

**Biology**

Gannon C. McGrath (Barbara May, Biology) Cellulose Degradation in Biofuel Production

Cellulose is a major polysaccharide of glucose and is found in most plants to provide structure and support. Cellulose is among the most abundant organic compound in the biosphere as some 1015 kg of cellulose is synthesized and degraded on Earth each year. This is an amount 1,000 times as great as the combined weight of the human race. Cellulose is an interesting polysaccharide to study because the cellulose can form chains linked together through β1,4 linkages that can only be broken by enzymes called cellulases. Mammals lack cellulases and cannot degrade the cellulose found in wood and other plant fibers. Therefore, to understand the biochemical pathway of cellulases, bacteria, such as Cellulomonas flavigena, are good models. One of the consequent byproducts of cellulose degradation is glucose, which is an important sugar in biofuel production. In making biofuel glucose is fermented to ethanol and utilized as an energy source. This project examines the DNA genome sequences of C. flavigena to map the important protein-coding genes known to play an important role in the metabolic process of cellulose degradation. The genes coding for proteins involved in cellulose degradation were identified and then annotated. To accomplish this, freely available bioinformatics programs, like the Basic Local Alignment Search Tool (BLAST) program, were used to predict the function of important cellulose genes in the C. flavigena genome. This process included finding regions of local similarity in DNA sequences of C. flavigena to other DNA sequences found in databases. BLAST then calculated the statistical significance of matches which were used for inferring the functional and evolutionary relationships between these sequences. By understanding the complete biochemical pathway of cellulose degradation, this copious organic compound may potentially lead to revolutionary advancements in the production of ethanol as a biofuel.

Gannon C. McGrath (Barbara May, Biology) Innate Immunity: The Complement System’s Effectiveness on Different Bacteria

Innate immunity is important in order to rapidly generate an initial response to almost any pathogen by either eliminating it or at least containing it until the slower, more focused adaptive immune response can develop. The complement system is an important component of the innate
immune response. One crucial role of the complement system is the lysis of pathogens. Analysis of complement has shown non-specificity toward pathogens suggesting it is equally important in the clearance of both Gram-positive and Gram-negative bacteria from the host. However, the structural differences between Gram-positive and Gram-negative bacteria, such as the differing thickness of the cell walls, may cause disparity in the effectiveness of the complement system’s ability to lyse these two types of bacteria. By measuring growth of both Gram-positive (Staphylococcus aureus) and Gram-negative (Escherichia coli) bacteria exposed to human serum and comparing to a control growth of the same bacteria not exposed to human serum, this study shows that complement plays an important role in the lysis of both of these types of bacteria. However, by inhibiting the serum with an anti-C3 antibody (an antibody that inhibits a critical complement protein called C3), this study shows that complement is more effective at lysing Gram-negative bacteria than Gram-positive bacteria, suggesting that some other component of the innate immune response, other than complement, must play a larger role in the lysis of Gram-positive bacteria than in the lysis of Gram-negative bacteria.
Fine Arts Presentations:

Art

Schedule

9:00 - 10:00 AM
BAC Gorecki Gallery
Kelly Kramer, Emma Alwin, Katie Tomten, Shannon McEvoy, Brynn Haugen, Nick Streine, Colleen Cornwell, John Beaumer (Elaine Rutherford, Art) Art Major Senior Exhibition Presentations

10:30 - 11:45 AM
Quad 360
Drake Osterhaut, Michael Benson, Emily Hayden, Marissa Deml, Hannah Stevens, James McLean, Rachel Stobb, Bailey Zallek, Jessie Alkire, Heather Beckius (Jessica Harkins, Art) "Young Writers: A Reading of Creative Work"

11:20 - 11:30 AM
Quad 252
Mai Choua Yang (Yuko Shibata, Art) Kurosawa Akira and Ran

Abstracts

Kramer, Alwin, Tomten, McEvoy, Haugen, Streine, Cornwell, Beaumer: Art Major graduating seniors will present on their final senior exhibition art work.

Osterhaut, Benson, Hayden, Deml, Stevens, McLean, Stobb, Zallek, Alkire, Beckius: Please join us for a reading of creative work written by young writers at CSBSJU. Students will read from original works of poetry, fiction, and creative non-fiction that they have been developing over the course of this spring semester. These revised works demonstrate the range and skill of these young writers—and the many ways in which they have found voice through writing. Students will read from poems and/or excerpts of longer works of fiction or creative non-fiction. Bring friends and family. Refreshments provided!

Yang: Kurosawa Akira was an acclaimed Japanese film director and producer. He made many classic films that were also popular in the West. My presentation introduces his life, his interest in film studies and his famous movies. My favorite is Ran so I will present more details about the film production and story (in Japanese).

Music
Schedule

10:20 - 10:40 AM
Quad 254  Kathryn C. Campbell (Karen Erickson, Music) “Parmi les marbres”: The Interactive Relationship of Music and Poetry in Clair de Lune

10:30 - 10:50 AM

11:00 - 11:30 AM
PEngl 167  Kevin R. Anderson (Adam Whitten, Music) The Robotic Xylophone

Abstracts

Campbell: When composers set a poem to music, music and poetry interact in a complex partnership to create meaning. Music may serve to embellish the text, to emphasize certain images or emotions, and ultimately to reflect the composer’s interpretation of the poem. The text enhances the emotions expressed in the music and allows for an interaction between the vocal line and the accompaniment. However, this close interaction between music and poetry remains an unresolvable relationship as the poem’s translation into music transforms the text into something completely new. This paper explores how Paul Verlaine’s poem Clair de Lune is transformed by the strikingly different musical interpretations of Gabriel Fauré and Claude Debussy. It is all still Verlaine’s Clair de Lune, yet each remains an independent work of art.

Knox: This project explores the topic of black narratives on early jazz music. Using Sidney Bechet’s autobiography as a guide, it is shown how these narratives often functioned on both progressive and regressive levels. Eric Lott’s theories of “love and theft,” in addition to scholarship on race and jazz music, are employed to demonstrate how whites responded to early jazz. It is shown that white audiences both indulged in and were often repelled by this new music that was often painted as “primitive” or “exotic.” The narratives of black musicians such as Bechet also worked on these dichotomous levels. While pointing to a new era of freedom for black expression, these narratives also established jazz as being an authentic creation of the African-American spirit.
**Anderson:** The project concerns the design and construction of a robotic xylophone. Focusing on the application of algorithms and external circuits to microcontroller design, the robotic xylophone uses the fourier transform of an audio signal to repeat sounds played to it by an acoustic guitar. The fourier transform allows the playback of both a series of individual melody notes and a series of three-note chords. A program was also made to allow the xylophone to extract and play individual instrument parts from MIDI files.

**Theater**

**Schedule**

<table>
<thead>
<tr>
<th>Time</th>
<th>Location</th>
<th>Presentation Details</th>
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<tbody>
<tr>
<td>9:00 - 9:20 AM</td>
<td>BAC A109</td>
<td>Jacob M. Knopf (Kaarin Johnston, Theater) One Last Breath of Sunshine: a short play by Jacob Knopf</td>
</tr>
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<td>9:40 - 10:30 AM</td>
<td>BAC A 109</td>
<td>Katherine E. Takata, Kevin D. Murphy, Nicole K. Neuwirth (Mark Hennigs, Theater) Experiences in Design</td>
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**Abstracts**

**Knopf:** I took playwriting as an independent study with Kaarin Johnston this past fall semester to practice the skills necessary to write a play. I chose to have my topic of this play be about suicide (the one/main character kills himself at the end) because I think that it is such an important issue in our world today. I wrote this story and did all of my research to better understand why suicide is such a problem for human beings, and to create a situation where someone killing themself could be the right thing to do. I am not proposing that people should end their lives to solve life long issues, but I rather desired to simply explore the mind of someone who really wanted to do it, and illustrate why this character thought suicide was the only thing left for them to do.

**Sullivan:** Initially, I set out to create a one-person theater piece about Monsignor Joseph Gluszek, a priest I knew when I was a child, a man who influenced me greatly even after his death. He survived the Holocaust and without bitterness he forgave his captors. He chose pity instead of hate. As I began to write his story, I struggled with creating a captivating format to entice audiences and express the
influence he had upon me. As a result, my writing style shifted, and I began to explore other forms of expression for the piece. I found poetry was a more meaningful form for me to pursue. During this presentation I will share my struggles and accomplishments with the playwriting process, the story of Monsignor Joseph Gluszek, and my relationship with him. This will be an open forum where faculty and students can ask questions about my playwriting experience. The time length should be 20 minutes.

Takata, Murphy, Neuwirth: After playing roles in the designs of CSB/SJU Theater Department productions this year, senior Kevin Murphy and juniors Nikki Neuwirth and Kate Takata will present on their experiences as student designers on-campus. Kevin was Master Carpenter for A Christmas House and Technical Director for As Five Years Pass, Nikki was Lighting Designer for both A Christmas House and As Five Years Pass, and Kate was Lighting Designer for A Shayna Maidel. Students may also speak briefly about related work done outside CSB/SJU.
**Humanities Presentations:**

**Communication**

**Schedule**

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<td>10:20 - 10:40 AM</td>
<td>Quad 344</td>
<td>Hannah I. Mortenson, Ariel A. Smelter, Matia C. Twedt (Karyl Daughters, Communication)</td>
<td>Facebook Official: Perceptions of Facebook Relationship Status</td>
</tr>
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<td>10:40 - 11:00 AM</td>
<td>BAC A109</td>
<td>Jenna R. Smoger, Brandon L. Anderson (Kaarin Johnston, Communication)</td>
<td>The Zoo Story by Edward Albee--Two Senior Projects; Acting and Directing--Brandon Anderson and Jenna Smoger</td>
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**Abstracts**

**Mortenson, Smelter, Twedt:** Students from the fall 2011 sections of COMM385A: Love, Sex, and Commitment conducted a semester long research project looking at perceptions of Facebook relationship status postings. Three students from those classes have elected to present a summary of the project. The presentation will focus on the process of completing the study as well as review some of the results.

The project represents a relational communication focused study designed to explore the significance of Facebook relationship status postings. The Facebook relationship status post is an option that Facebook users have to let other Facebook users know if they are in a romantic relationship, and if so, with whom. Specifically, the study explores the perceptions of this relatively new medium for communicating and creating relational commitment. Past research examining the social construction of commitment has focused largely on the communication that takes place interpersonally between the relationship partners. This study will help build on a tradition of relationship commitment research by expanding it to look at the role of social networking sites (specifically Facebook) in constructing relational commitment.
**Smoger, Anderson:** Jenna Smoger and Brandon Anderson teamed up to produce the classic American drama THE ZOO STORY by Edward Albee. Anderson played the major acting role while Smoger directed. Their presentation will include the audition and rehearsal process, photographs, and an overview of the production. The two, along with cast member Gabriel Drouet, are looking forward to an open dialogue with the attending students and faculty.

**Traxler:** The post-war period saw many economic, political, and social changes in Japan—one of which was the expansion of women’s roles in society and presence outside the home. During the 1970s in particular, the Japanese feminist movement critiqued traditional ideals of women’s sexuality, motherhood, and femininity in a parallel to the women’s liberation movement occurring in the Western world at the time. This presentation looks at various factors in Japan that allowed for the emergence and growth of the Japanese women’s liberation movement, as well as some of the issues it faced and successes it achieved (in Japanese).

**English**

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<td>Quad 343</td>
<td>Hannah L. Dolan (Christina Shouse Tourino, English) Modernization, Race, and Spectacle in Faulkner's &quot;Absalom, Absalom!&quot;</td>
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**Abstracts**

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life long issues, but I rather desired to simply explore the mind of someone who really wanted to do it, and illustrate why this character thought suicide was the only thing left for them to do.

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**Dolan:** I will be presenting my English Capstone research paper. The paper is about twenty pages, and is a literary analysis that applies Guy Debord’s theory of spectacle to William Faulkner’s novel "Absalom, Absalom!". I will most likely read some parts of my paper, explain some parts, and give a general overview of Guy Debord’s theory of spectacle.

**Gender & Women’s Studies**

**Schedule**

**10:00 - 10:20 AM**  
**Quad 261**  
Lichuan Liang, Bo Wang (Sophia Geng, Gender & Women’s Studies) Outstanding Women in Chinese History

**10:20 - 10:40 AM**  
**Quad 261**  
Xiaoyang Yang, Manke Wang (Sophia Geng, Gender & Women’s Studies) The differences between Chinese and western marriages

**10:40 - 10:40 AM**  
**Quad 344**  
Hannah I. Mortenson, Ariel A. Smelter, Matia C. Twedt (Karyl Daughters, Gender & Women’s Studies) Facebook Official: Perceptions of Facebook Relationship Status
Abstracts

Liang, Wang: Our group is selecting 6 Chinese women along the history and talk about the similarities and differences.

Yang, Wang: There are a lot of differences between Chinese and western marriages. What we are going to talk about is the history of Chinese weddings and how they develop. The presentation aims to give people a clear comprehension of a Chinese-style wedding.

Mortenson, Smelter, Tweedt: Students from the fall 2011 sections of COMM385A: Love, Sex, and Commitment conducted a semester long research project looking at perceptions of Facebook relationship status postings. Three students from those classes have elected to present a summary of the project. The presentation will focus on the process of completing the study as well as review some of the results.

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Hispanic Studies

Schedule

9:00 - 10:00 AM  
HAB 102B  
Matthew J. Palmquist (Corey Shouse Tourino, Hispanic Studies) Reimagining Juan Valdez: the impacts of violence and forced displacement on peasant coffee farmers in Colombia as a result of the International Coffee Crisis, 1991-2003

9:00 - 9:10 AM  
HAB 102B  
Felipe D. Nieves-Jimenez (Corey Shouse-Tourino, Hispanic Studies) Chilean Coup of 1973: Political and
Economic Justifications

10:00 - 11:00 AM
Quad 457
Maggie A. Thompson (Bruce Campbell, Hispanic Studies)
Medical Choice Among the Maya of Guatemala

Abstracts

Palmquist: When people think about Colombia, two images come to mind: Pablo Escobar’s drugs and Juan Valdez’ coffee. This project finds that the image portrayed by Juan Valdez does not accurately depict the lives of small coffee farmers of Colombia. The collapse of the International Coffee Agreement in 1989 triggered a decade-long coffee crisis, sinking prices to historic lows and forcing small farmers off their land. During this time, record increases in violence, homicides, illegal drug production, and forced displacement occurred and destroyed the lives of many farmers. Despite recent improvements in agrarian society, serious wealth inequalities and forced displacement issues must be resolved.

Nieves-Jimenez: Will present the political and economic justifications behind the Chilean Coup of 1973.

Thompson: In Guatemala, several distinct medical care systems simultaneously attempt to address the health care needs of its people. Individuals may choose between the nation’s public health care sector, an established network of international aid organizations, and traditional medicine associated with the nation’s prominent Mayan indigenous population. Through literature review and 2 weeks of field research in Guatemala, this study seeks to identify what factors influence how a Mayan individual navigates these 3 systems in order to make a health care decision. Conclusions from past studies have indicated that individuals often practice traditional medicine until the condition reaches a certain degree of severity, at which point he or she will turn to the next most readily available option. This study’s field work supports such findings and also identifies correlations and non-correlations between the demographics of individuals and their health care choices.

History

Schedule

9:00 - 9:30 AM
Quad 339
Michelle E. Lurquin (Elizabeth Wengler, History)
Memories of the Pacific War in Japanese Manga of the 1960s and 1970s
9:00 - 9:30 AM
Quad 353
Philip J. Whitcomb (Elisabeth Wengler, History) All-India Muslim League: Indian Muslim Identity

9:00 - 9:20 AM
BAC A109
Jocelyn Q. Sullivan (Kaarin Johnston, History) Finding a Voice: an exploration of the playwriting process

Abstracts

Lurquin: Japan has struggled to come to terms with the significance of its defeat in World War II. This paper looks at the historical memory of that war as evidenced in Japanese manga, which are long plot comics, published in the 1960s and 1970s.

Whitcomb: Over 60 years ago, India was granted independence from British rule. Prior to independence, India’s diverse communities sought to gain political influence, particularly the diverse Indian Muslim community. In this project, I analyze how the All-India Muslim League helped to define an Indian Muslim identity through an examination of their leader - Muhammad Ali Jinnah. My research will utilize political speeches, letters, and other writings from the 1930s and 1940s. All of the primary sources address various audiences concerning the partition of India. In the conclusion, the research will show how Indian Muslims became united under Jinnah’s leadership and grew to form a solidified Indian Muslim identity.

Sullivan: Initially, I set out to create a one-person theater piece about Monsignor Joseph Gluszek, a priest I knew when I was a child, a man who influenced me greatly even after his death. He survived the Holocaust and without bitterness he forgave his captors. He chose pity instead of hate. As I began to write his story, I struggled with creating a captivating format to entice audiences and express the influence he had upon me. As a result, my writing style shifted, and I began to explore other forms of expression for the piece. I found poetry was a more meaningful form for me to pursue. During this presentation I will share my struggles and accomplishments with the playwriting process, the story of Monsignor Joseph Gluszek, and my relationship with him. This will be an open forum where faculty and students can ask questions about my playwriting experience. The time length should be 20 minutes.

Modern & Classical Languages

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Music 028

10:00 - 10:20 AM
Quad 261
Lichuan Liang, Bo Wang (Sophia Geng, Modern & Classical Languages) Outstanding Women in Chinese History

10:20 - 10:40 AM
Quad 261
Xiaoyang Yang, Manke Wang (Sophia Geng, Modern & Classical Languages) The differences between Chinese and western marriages

Abstracts

Lynch: Since the establishment of the EU, the globalization of Europe has continued with unprecedented furor. Borders fell between cultures, currencies, and controls—with the establishment of the Schengenraum under the Schengen Agreement European member states eliminated most forms of border control, opting for a singular control system along the external border of the Schengenraum. Historically, the German political rhetoric surrounding Schengen has been highly favorable, however, lately the Schengen area has become more politically questioned as more nations are added, and border security is diminished by a rising threat of terrorism and organized crime. After consideration of organizational studies of criminal organizations and academic works like Peter Andreas’ article from International Security, “Redrawing the Line Borders and Security in the Twenty-first Century”, it becomes apparent that Germany need not fear Schengen as long as a few simple steps are taken to enhance their security forces and protect the luxury of unhindered international travel. In my thesis I explore the Schengenraum policies in detail, and prescribe greater communication between institutions like Frontex, Interpol, and local police forces to alleviate the potential security gaps posed by Schengen.

Liang, Wang: Our group is selecting 6 Chinese women along the history and talk about the similarities and differences.

Yang, Wang: There are a lot of differences between Chinese and western marriages. What we are going to talk about is the history of Chinese weddings and how they
develop. The presentation aims to give people a clear comprehension of a Chinese-style wedding.

**Philosophy**

**Schedule**

*9:00 - 9:20 AM*  
*BAC A109*  
Jacob M. Knopf (Kaarin Johnston, Philosophy) One Last Breath of Sunshine: a short play by Jacob Knopf

*10:40 - 11:00 AM*  
*BAC A109*  
Jenna R. Smoger, Brandon L. Anderson (Kaarin Johnston, Philosophy) The Zoo Story by Edward Albee--Two Senior Projects; Acting and Directing--Brandon Anderson and Jenna Smoger

**Abstracts**

**Knopf:** I took playwriting as an independent study with Kaarin Johnston this past fall semester to practice the skills necessary to write a play. I chose to have my topic of this play be about suicide (the one/ main character kills himself at the end) because I think that it is such an important issue in our world today. I wrote this story and did all of my research to better understand why suicide is such a problem for human beings, and to create a situation where someone killing themself could be the right thing to do. I am not proposing that people should end their lives to solve life long issues, but I rather desired to simply explore the mind of someone who really wanted to do it, and illustrate why this character thought suicide was the only thing left for them to do.

**Smoger, Anderson:** Jenna Smoger and Brandon Anderson teamed up to produce the classic American drama THE ZOO STORY by Edward Albee. Anderson played the major acting role while Smoger directed. Their presentation will include the audition and rehearsal process, photographs, and an overview of the production. The two, along with cast member Gabriel Drouet, are looking forward to an open dialogue with the attending students and faculty.

**Theology**

**Schedule**

*9:00 - 9:20 AM*  
*BAC A109*  
Jacob M. Knopf (Kaarin Johnston, Theology) One Last
Breath of Sunshine: a short play by Jacob Knopf

9:00 - 9:20 AM
BAC A109

Jocelyn Q. Sullivan (Kaarin Johnston, Theology) Finding a Voice: an exploration of the playwriting process

Abstracts

**Knopf:** I took playwriting as an independent study with Kaarin Johnston this past fall semester to practice the skills necessary to write a play. I chose to have my topic of this play be about suicide (the one/ main character kills himself at the end) because I think that it is such an important issue in our world today. I wrote this story and did all of my research to better understand why suicide is such a problem for human beings, and to create a situation where someone killing themself could be the right thing to do. I am not proposing that people should end their lives to solve life long issues, but I rather desired to simply explore the mind of someone who really wanted to do it, and illustrate why this character thought suicide was the only thing left for them to do.

**Sullivan:** Initially, I set out to create a one-person theater piece about Monsignor Joseph Gluszek, a priest I knew when I was a child, a man who influenced me greatly even after his death. He survived the Holocaust and without bitterness he forgave his captors. He chose pity instead of hate. As I began to write his story, I struggled with creating a captivating format to entice audiences and express the influence he had upon me. As a result, my writing style shifted, and I began to explore other forms of expression for the piece. I found poetry was a more meaningful form for me to pursue. During this presentation I will share my struggles and accomplishments with the playwriting process, the story of Monsignor Joseph Gluszek, and my relationship with him. This will be an open forum where faculty and students can ask questions about my playwriting experience. The time length should be 20 minutes.
Natural Sciences, Humanities Poster Session
Gorecki Center A, B & C, CSB

Art
Kaarin S. Johnston (none none, Art) The Christmas House; Page to Stage

In 2009 the Theater faculty agreed to produce a, as yet unwritten, play by Kaarin S. Johnston, Professor of Theater. She received a grant from Faculty Development granting her reassigned time to turn the detailed scenario into a script. In 2011, after the third draft, Adam Houghton, Mark Hennigs, Willene Mangham, Ken Cartwright and Clarke Davis took the script and transformed it into a piece of Theater while the student actors improved the script through hours of improvisation. Designs, a video clip and photographs will be displayed.

Education
Pa K. Thao (Bret Benesh, Education) Our number system

Teach Mayan students how to use our number system

Kaarin S. Johnston (none none, Education) The Christmas House; Page to Stage

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English
Kaarin S. Johnston (none none, English) The Christmas House; Page to Stage

In 2009 the Theater faculty agreed to produce a, as yet unwritten, play by Kaarin S. Johnston, Professor of Theater. She received a grant from Faculty Development granting her reassigned time to turn the detailed scenario into a script. In 2011, after the third draft, Adam Houghton, Mark Hennigs, Willene Mangham, Ken Cartwright and Clarke Davis took the script and transformed it into a piece of Theater while the student actors improved the script through hours of improvisation. Designs, a video clip and photographs will be displayed.
Fine Arts, Social Science Poster Session  
*Quadrangle Alumni Lounge, SJU*

**Art**
Isabel A. Pennings, Charles J. Enders (Sheila Nelson, Art) Santa Fe’s Culture and Creative Class

Richard Florida argues that the influx of a "creative class" can stimulate a city’s economy, growth, and development. This project examines how Santa Fe’s rich cultural heritage has influenced the creation of its "creative class" and how this class has affected the city.

**Asian Studies**
Joslyn P. Brugh, Steve Watanaskul (Sheila Nelson, Asian Studies) Honolulu’s Sex Trade

What is it about the population and organization of Honolulu that makes it a target for sex trade? In a partnered study, this project will explore the case of Honolulu, HI and determine the sociological reasons for the prevalence of sex trade.

**Economics**
Yasas R. Ratnayake, Adam Bauer (Sheila Nelson, Economics) Portland, Oregon: A New Paradigm of City Life

The geographic location and the natural beauty of the Portland area set the foundation for the development of a sophisticated, environmentally sustainable metropolis. Portland, also known as the City of Roses, has complimented its natural advantage with effective urban planning policies since the early 1900’s. High-tech enterprises have flourished in the city, giving this ecological metropolis a technological edge as a thriving center of progressive thought, environmental stewardship, and technological sophistication. Portland has earned a reputation as one of the greenest and most livable cities in the United States and in the world.
Fine Arts Presentations:

Art

Schedule

2:00 - 2:15 PM
HAB HAB 118
Shannon H. McEvoy (Corey Shouse Tourino, Bruce Campbell, Art) El muralismo latino/latinoamericano y el cambio social: Llevando elementos de la Brigada Ramona Parra a Cold Spring, Minnesota

2:00 - 3:30 PM
Main Main 009
Evan Lowder, Abe Lauer (Phil Kramer, Chris Wing, Art) Can You Obtain a CSB/SJU Education in Just Five Minutes? Student Perspectives on the Importance of Assessment in Higher Education

4:00 - 5:00 PM
BAC A104

Abstracts

McEvoy: This Honors Thesis project was inspired by Shannon’s study abroad experience in Chile in 2010. There she learned about the art-activist brigade La Brigada Ramona Parra (BRP) that used wall painting to protest the dictatorship of Pinochet. After returning to the U.S. in January 2011, Shannon desired to bring back her studies of the BRP’s fight for social change. This led her to design a community mural project in MN.

In the summer of 2011, Shannon partnered with Casa Guadalupe Multicultural Community (CGMC) to organize a community mural for the city of Cold Spring, MN. The goal for this mural was to reflect the identity of Latinos in Cold Spring and to create a culturally inclusive visual celebration of the town’s history. Shannon and CGMC also wanted to empower youth and community members by involving them in the painting. The project, called “Drawing on Cold Spring” was completed in September, 2011.

In January 2012, Shannon was able to return to Chile and interview BRP founders Juan “Chin Chin” Tralma and Alejandro “Mono” González. She spoke with them about the history of the BRP, and learned that the group continues to fight for
social justice to this day. She also found that the BRP of today has adopted a community mural process similar to the one that she used in Cold Spring. This realization prompted her to write a comparative analysis of contemporary BRP muralism and the “Drawing on Cold Spring” mural project.

(This presentation will be given in Spanish)

Lowder, Lauer: In a 1980 sketch, American comedian Don Novello mocked the value of an undergraduate education by claiming that the amount of information retained by students five years after graduating could be taught in just five minutes — and thus was born the concept of a five-minute university. As students and educators, the very notion that an undergraduate education can be attained in five minutes provokes us. We believe that graduates leave our institutions with a variety of skills in critical thinking, problem solving, and personal development. Whether substantial evidence exists to support these beliefs, however, remains a distinct and pressing issue. In this session, we share results from a qualitative survey of existing assessment practices at CSB/SJU aimed at answering the question, “Are students learning?” Afterward, we invite all students, faculty, and administrators to share their perspectives on the value of a CSB/SJU education and the role of assessment in higher education. Come prepared for a dynamic, thought-provoking, and multi-perspective discussion!

McEvoy: This Honors Thesis project was inspired by Shannon’s study abroad experience in Chile in 2010. There she learned about activist public artists, such as the group Colectivo Acciones de Arte (C.A.D.A) and the muralist brigade La Brigada Ramona Parra.

After returning to the U.S., Shannon wanted to expand on her studies of art activism. She was also motivated to deepen her knowledge of modern muralism in the Americas, beginning with the Mexican Mural Renaissance of the early 20th century. Her research extended to Latino muralism in the United States. Specifically, Shannon wanted to explore this collaboration with the community during the mural process, both in the ideation and creation.

In the summer of 2011, Shannon partnered with Casa Guadalupe Multicultural Community (CGMC) to organize a community mural for the city of Cold Spring, MN. The goal for this mural was to reflect the identity of Latinos in Cold Spring and create a culturally inclusive visual celebration of the town’s history. Shannon and CGMC also wanted to empower youth and community members by involving them in the painting. This collaboration sparked many conversations that built relationships across cultures.
Shannon’s research and artwork have given rise to a community mural, a written analysis of Latino/Latin American muralism, and an art installation reflecting on her own social role as a public artist.

Music

Schedule

2:00 - 3:30 PM  
*Main Main 009*  
Evan Lowder, Abe Lauer (Phil Kramer, Chris Wing, Music) Can You Obtain a CSB/SJU Education in Just Five Minutes? Student Perspectives on the Importance of Assessment in Higher Education

2:40 - 3:10 PM  
*Music MU 028*  
Paul R. Wojack, Joseph M. Lenczewski, Jordan W. Berns, Yee Kei Zheng (David Arnott, Music) The Expression of the Baroque Within the Music of Mendelssohn

3:50 - 4:20 PM  
*Music MU 028*  
Anna K. Wigtal, Kaela H. Kopp, Michael L. Tomten, Daniel P. Knapper (David Arnott, Music) The Classical String Quartet: How Hadyn’s Invention Became a Standard Chamber Music Form

Abstracts

**Lowder, Lauer:** In a 1980 sketch, American comedian Don Novello mocked the value of an undergraduate education by claiming that the amount of information retained by students five years after graduating could be taught in just five minutes — and thus was born the concept of a five-minute university. As students and educators, the very notion that an undergraduate education can be attained in five minutes provokes us. We believe that graduates leave our institutions with a variety of skills in critical thinking, problem solving, and personal development. Whether substantial evidence exists to support these beliefs, however, remains a distinct and pressing issue. In this session, we share results from a qualitative survey of existing assessment practices at CSB/SJU aimed at answering the question, “Are students learning?” Afterward, we invite all students, faculty, and administrators to share their perspectives on the value of a CSB/SJU education and the role of assessment in higher education. Come prepared for a dynamic, thought-provoking, and multi-perspective discussion!
Wojack, Lenczewski, Berns, Zheng: In his life, Mendelssohn studied Baroque and early Classical music extensively. He was deeply influenced by Bach, and his music shows a highly refined use of counterpoint as well as remarkable tonal clarity. This project will discuss the manifestation of these things within Mendelssohn’s chamber music and will conclude with a performance of Mendelssohn’s String Quartet No. 3, Op. 44 to demonstrate Mendelssohn’s compositional techniques.

Wigtil, Kopp, Tomten, Knapper: Franz Joseph Haydn is credited as the inventor of the string quartet. Our presentation will trace the early development of the string quartet and discuss Haydn’s contributions to this musical form. We will conclude by performing excerpts from Haydn’s Quartet No. 63, “Sunrise” (Op. 76, No. 4).

Theater

Schedule

2:00 - 3:30 PM
Main Main 009      Evan Lowder, Abe Lauer (Phil Kramer, Chris Wing, Theater) Can You Obtain a CSB/SJU Education in Just Five Minutes? Student Perspectives on the Importance of Assessment in Higher Education

Abstracts

Lowder, Lauer: In a 1980 sketch, American comedian Don Novello mocked the value of an undergraduate education by claiming that the amount of information retained by students five years after graduating could be taught in just five minutes — and thus was born the concept of a five-minute university. As students and educators, the very notion that an undergraduate education can be attained in five minutes provokes us. We believe that graduates leave our institutions with a variety of skills in critical thinking, problem solving, and personal development. Whether substantial evidence exists to support these beliefs, however, remains a distinct and pressing issue. In this session, we share results from a qualitative survey of existing assessment practices at CSB/SJU aimed at answering the question, “Are students learning?” Afterward, we invite all students, faculty, and administrators to share their perspectives on the value of a CSB/SJU education and the role of assessment in higher education. Come prepared for a dynamic, thought-provoking, and multi-perspective discussion!
Humanities Presentations:

Communication

Schedule

2:00 - 3:30 PM
Main Main 009
Evan Lowder, Abe Lauer (Phil Kramer, Chris Wing, Communication) Can You Obtain a CSB/SJU Education in Just Five Minutes? Student Perspectives on the Importance of Assessment in Higher Education

Abstracts

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English

Schedule

2:00 - 3:30 PM
Main Main 009
Evan Lowder, Abe Lauer (Phil Kramer, Chris Wing, English) Can You Obtain a CSB/SJU Education in Just Five Minutes? Student Perspectives on the Importance of Assessment in Higher Education

Abstracts

Lowder, Lauer: In a 1980 sketch, American comedian Don Novello mocked the value of an undergraduate education by claiming that the amount of information
Gender & Women’s Studies

Schedule

2:00 - 3:30 PM
Main Main 009
Evan Lowder, Abe Lauer (Phil Kramer, Chris Wing, Gender & Women’s Studies) Can You Obtain a CSB/SJU Education in Just Five Minutes? Student Perspectives on the Importance of Assessment in Higher Education

2:10 - 2:25 PM
HAB 106
Michael K. Sorenson (Shane Miller, Gender & Women’s Studies) Black Hypermasculinity in the NBA

2:30 - 2:45 PM
HAB 106
Jacqueline Corral (Shane Miller, Gender & Women’s Studies) Gendered Political Systems

Abstracts

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Sorenson: This presentation looks at how black masculinity, specifically hypermasculinity, is constructed and thought of in society and how that is represented in the National Basketball Association (NBA). It starts with a discussion of black masculinity in the United States and how it was formed. Specifically, it looks at the hypermasculinity, a violent and aggressive masculinity, that is presented as the masculinity of black men, which is formed by different factors such as hip-hop and gangsta culture. It then looks at how black hypermasculinity is represented in the NBA by the players, specifically the stars of the league. Finally it will look at the possibility of different forms of black masculinity and if the understanding is changing from a violent and aggressive masculinity to something else.

Corral: Just like all isms, political sexism occurs systematically. It is difficult to achieve gender equality when there are not a reasonable number of women in congress/parliament that will have the needs of women in mind. Currently, there are 44,651 elected members of parliament in office. Of those we know that 8,406 are women amounting to a world average for women in parliament of 19.2%. However, there are countries that have come close to gender parity in politics. According to the Inter-Parliamentary Union there are only nine countries with a percentage of women in parliament above 40 percent. In the world classification chart issued by the Inter-Parliamentary Union December 2011 there are 129 countries with known parliamentary data. It is difficult to not notice that all five of the Scandinavian countries are in the top 15 countries in this list. In contrast we find the United States of America coming in at rank 78 with 16.8% of women in congress tying with Turkmenistan. When looking at the data one begs the question, why is there such a difference in the number of women in parliament among the Scandinavia and the US. Experts in the field of political science have studied the phenomena and some have concluded that although an important determinant of gender parity in any government is the culture of their society, the answer also lies in the electoral systems that each country employs which can create barriers to more diverse representation. (Inter-Parliamentary Union 2011)

Question: It has been well documented that Scandinavian countries greatly surpass the US in regards to family friendly policies. Why?

I will examine political systems, history, and culture.
Hispanic Studies

Schedule

2:00 - 2:15 PM  
*HAB HAB 118*  
Shannon H. McEvoy (Corey Shouse Tourino, Bruce Campbell, Hispanic Studies) El muralismo latino/latinoamericano y el cambio social: Llevando elementos de la Brigada Ramona Parra a Cold Spring, Minnesota

2:00 - 3:30 PM  
*Main Main 009*  
Evan Lowder, Abe Lauer (Phil Kramer, Chris Wing, Hispanic Studies) Can You Obtain a CSB/SJU Education in Just Five Minutes? Student Perspectives on the Importance of Assessment in Higher Education

2:20 - 2:40 PM  
*HAB 118*  
Lauren O. Marston (Corey Shouse Tourino, Hispanic Studies) El turismo dental

Abstracts

**McEvoy:** This Honors Thesis project was inspired by Shannon’s study abroad experience in Chile in 2010. There she learned about the art-activist brigade La Brigada Ramona Parra (BRP) that used wall painting to protest the dictatorship of Pinochet. After returning to the U.S. in January 2011, Shannon desired to bring back her studies of the BRP’s fight for social change. This led her to design a community mural project in MN.

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social justice to this day. She also found that the BRP of today has adopted a community mural process similar to the one that she used in Cold Spring. This realization prompted her to write a comparative analysis of contemporary BRP muralism and the “Drawing on Cold Spring” mural project.

(This presentation will be given in Spanish)

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**Marston:** My presentation for Scholarship and Creativity Day would be similar to my Spanish thesis presentation. The topic of my Spanish thesis was Dental Tourism. The reason I chose this topic is because I am pre-dental. Dental Tourism is a new fade in which United States residents are traveling to Mexico to receive cheaper Dental treatment. My presentation will argue that Dental tourism is not beneficial to society because it is negatively impacting the Mexican economy, it is decreasing the work of Dentists in the United States and there are risks involved for the patients traveling to Mexico.

**History**

**Schedule**

2:00 - 3:30 PM  
*Main Main 009*  
Evan Lowder, Abe Lauer (Phil Kramer, Chris Wing, History) Can You Obtain a CSB/SJU Education in Just Five Minutes? Student Perspectives on the Importance of Assessment in Higher Education

**Abstracts**
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Modern & Classical Languages

Schedule

2:00 - 3:30 PM
Main Main 009
Evan Lowder, Abe Lauer (Phil Kramer, Chris Wing, Modern & Classical Languages) Can You Obtain a CSB/SJU Education in Just Five Minutes? Student Perspectives on the Importance of Assessment in Higher Education

Abstracts

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Philosophy

Schedule

2:00 - 3:30 PM
Main Main 009  Evan Lowder, Abe Lauer (Phil Kramer, Chris Wing, Philosophy) Can You Obtain a CSB/SJU Education in Just Five Minutes? Student Perspectives on the Importance of Assessment in Higher Education

Abstracts

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Theology

Schedule

2:00 - 3:00 PM
Gorec 120 B  Katie L. Kronzer, Kayla Deutz, Maddie Lenker, Rachel Kelzenberg, Jeff Kaster (Jeff Kaster, Theology) Festival of Preaching

2:00 - 3:00 PM
Gorec 120 A  Nate Hofman, Alice Foran, Joe Fiedler, Teresa Gonia, Jeff Kaster (Jeff Kaster, Theology) Festival of Preaching

2:00 - 3:00 PM
Gorec 120 B  Andrew J. Lee, Dan Knapper, Natalie LeSage, Caitlin
Abstracts

**Kronzer, Deutz, Lenker, Kelzenberg, Kaster:** In my Theology 381 Youth Ministry course we read about evangelization and the process of conversion. We read sociological studies indicating that the fasting growing religious population in the United States is those that identify themselves as unaffiliated. For this course we prepared and presented an evangelization talk seeking to foster interest in Christianity. The talk addressed the fundamental question: Why might someone choose to follow Christ? We watched a video tape of our preaching and reflected on how to improve it. To prepare for the Celebrating Scholarship and Creativity Day we videotaped our talk and wrote a reflection on how to improve it. We also gave this evangelization talk in a local parish to youth and parents as part of a religious education teaching session. This project is designed for Theology 381 class members to share their evangelization talks with the CSB/SJU community. We are calling it a festival of preaching.

**Hofman, Foran, Fiedler, Gonja, Kaster:** In my Theology 381 Youth Ministry course we read about evangelization and the process of conversion. We read sociological studies indicating that the fasting growing religious population in the United States is those that identify themselves as unaffiliated. For this course we prepared and presented an evangelization talk seeking to foster interest in Christianity. The talk addressed the fundamental question: Why might someone choose to follow Christ? We watched a video tape of our preaching and reflected on how to improve it. To prepare for the Celebrating Scholarship and Creativity Day we videotaped our talk and wrote a reflection on how to improve it. We also gave this evangelization talk in a local parish to youth and parents as part of a religious education teaching session. This project is designed for Theology 381 class members to share their evangelization talks with the CSB/SJU community. We are calling it a festival of preaching.

**Lee, Knapper, LeSage, Skluzacek, Kaster:** In my Theology 381 Youth Ministry course we read about evangelization and the process of conversion. We read sociological studies indicating that the fasting growing religious population in the United States is those that identify themselves as unaffiliated. For this course we prepared and presented an evangelization talk seeking to foster interest in Christianity. The talk addressed the fundamental question: Why might someone choose to follow Christ? We watched a video tape of our preaching and reflected on how to improve it. To prepare for the Celebrating Scholarship and Creativity Day we videotaped our talk and wrote a reflection on how to improve it. We also gave
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