Contents

Letter from President Szymanski, Minnesota State University Moorhead

Letter from Chancellor James H. McCormick, Minnesota State Colleges and Universities

Letter from Warren Weise, Vice President of Student Affairs

Cindy Phillips
President, MSU Moorhead Faculty Association

Allan Branstiter
MSUM Student Senate President

Introduction by Stephen Hamrick, Ph D., MSUM English Professor

Conference Schedule

Keynote Speaker:
Dr Wade Swenson, Lake Region Healthcare

Student Panelist Biographies
Klarissa Pudwill
Suzanne Al-Kayli
Kyle Blake
William Scott

Profile Stories

Theatre Arts Expo Information

Presentation Listings

- By Department
- Alphabetical by Last Name
- By Time
Dear Participants:

Our annual Student Academic Conference is a Spring Semester highlight. Since 1998 it has provided an outlet for student research and creative work. Over the years thousands have shared their knowledge in an environment that encourages inquiring minds and faculty mentoring. It’s an activity that underscores our Mission Statement: Minnesota State University Moorhead is a caring community promising all students the opportunity to discover their passions, the rigor to develop intellectually and the versatility to shape a changing world. The conference offers a stage for new ideas from the next generation of researchers and leaders. It advances intellectual development and challenges students to effectively communicate their knowledge. Defending research in a supportive community of student and faculty scholars is a great way to experience personal and professional growth. Congratulations to the student participants, faculty mentors, and the Student Academic Conference planners. A very good idea has become a wonderful tradition!

Edna Mora Szymanski, PhD
President
Dear Minnesota State University Moorhead Students, Colleagues, and Friends:

As has been true in the past, I am pleased to join with the Minnesota state University Moorhead academic community once again to celebrate the accomplishments of all who are a part of the Annual Student Academic Conference.

This thirteenth anniversary of the conference marks yet another grand occasion for our students to be recognized. I know that this year and those to come will continue to bring the opportunity for student scholarship, creativity, and achievement to be recognized university-wide. I have been personally proud and grateful to witness the growth of the Annual Student Academic Conference. Its support from President Edna Szymanski and her predecessors must be acknowledged.

The Minnesota State University Moorhead faculty, staff, and student learners deserve congratulations on all of their work to make the conference a success. On behalf of the Minnesota State Colleges and Universities Board of Trustees and your system office colleagues, best wishes for discovery, enlightenment, and fun at the 2011 Annual Student Academic Conference.

Sincerely,

James H. McCormick,
Chancellor, Minnesota State Colleges and Universities
On behalf of the entire Student Affairs Division, welcome to this year’s Student Academic Conference. The tradition of excellent opportunity for undergraduate research continues through this unique campus event. Your participation ensures that you have taken the initiative to further your undergraduate education in a way not found on most campuses. Having personally attended nearly all of the Student Academic Conference for the past decade, it has become clear to me that the depth and breadth of information and learning about unique topics has been well documented through oral and poster presentations. I look forward to again participating in this year’s event and hope that your involvement becomes one of the most memorable experiences during your tenure here at MSUM.

Warren Wiese
Vice President of Student Affairs

Greetings,

The Faculty Association at MSU Moorhead is pleased to send congratulations to all of the students who are participating in this year’s Student Academic Conference. We know they have learned much in their research and preparation for today. We also know that the student's achievements are a direct result of the mentoring provided by our faculty who gladly embrace this opportunity for student growth. Congratulations also to Prof. Andrew Conteh and to Prof. Richard Lahti for their leadership in making this exciting and complex day possible.

Cindy Phillips
President
MSU Moorhead Faculty Association
To the Participants and Attendees of the MSUM Student Academic Conference (SAC),

Spring at Minnesota State University Moorhead is always a special season. Long winters begin to melt away; birds return with their songs; warmth returns to our lengthening days; budding romances bloom; and yes, the Red River reminds us that, no matter how hard we try, we are still intrinsically tied to the forces of nature. Spring, to many students at MSUM, is special for another, more academic, reason: conferences. It is during the final weeks of the academic year that a year of meeting new friends and colleagues culminates with conferences where we can celebrate the bonds that tie us together in friendship and all that we have learned together. One such important fixture at MSUM is held here on campus every spring: the MSUM Student Academic Conference.

Academic Conferences are an invaluable tool in the development of young academic minds. All too often the work we do as students is completed with little more intent than that of attaining a good grade; therefore, it is valuable only to ourselves and its worth is quantified by a grade. It is here that the SAC provides the students of MSUM with a priceless opportunity: to challenge ourselves to create knowledge and to present that knowledge to our peers, the public, and professors. To the young academic, the rewards of forming an original thesis, developing it, and then finally presenting one’s hard-gotten work to strangers and experts is a rewarding and fulfilling experience. At MSUM, there is nowhere else that this kind of learning can be achieved as well as it is at the annual SAC.

To the participants of the SAC, I would like to thank you for presenting your work at this year’s conference! I have no doubt that you will teach your fellow Dragons something this week. To the attendees of this year’s SAC, thank you for attending! The most rewarding thing about presenting is receiving interesting questions and feedback from one’s peers. I encourage you to attend as many presentations as you can and ask the presenters any questions you may have. To the faculty members who have taken the time to chair and review this year’s presentations, thank you! Without your guidance and continued support, the SAC would not be possible. On behalf of the MSUM Student Senate, I thank you all for participating in this year’s Student Academic Conference! Good luck!

Regards,

Allan Branstiter
MSUM Student Senate President
The 13th annual Student Academic Conference embraces MSUM’s commitment to undergraduate education and engagement.

Building upon proven excellence in the arts, sciences and industry, the SAC extends the university’s exceptional investment in undergraduate research, providing students with the skills, abilities and aptitudes essential to life-long learning, global citizenship and professional excellence. Incorporated into courses and projects across the curriculum, student research presented at the SAC advances the frontiers of knowledge across fields, training students in rigorous research methods, critical thinking and effective communication.

Now a highly anticipated and esteemed component of MSUM’s mission and academic year, the Student Academic Conference proudly showcases student accomplishment and invites the entire community to participate in this year’s exciting conference.

—Stephen Hamrick, Ph D., MSUM English professor
Conference Schedule

Tuesday, April 19th 2011 • Comstock Memorial Union

7:30 A.M.  Poster Set-Up—Registration/Information Table—CMU Main Lounge

9:30 A.M.  Presentation Session 1 and Poster Session 1—Various CMU Rooms and Poster Display Area

10:50 A.M. Break

11:00 A.M. Seating for the Luncheon—CMU Ballroom

11:15 A.M. Luncheon Starts (Welcome and Introductions)—CMU Ballroom

12:00 P.M. Keynote Speaker—CMU Ballroom
Dr. Wade Swenson, II
Oncologist, Lake Region Health Care

12:25 P.M. Student Panelists—CMU Ballroom

1:00 P.M.  Presentation Session 2 and Poster Session 2—Various CMU Rooms and Poster Display Area

2:20 P.M.  Break

2:30 P.M.  Presentation Session 3 and Poster Session 3—Various CMU Rooms and Poster Display Area
Dr. Wade Swenson, a 1995 graduate of MSUM, is currently a medical oncologist and hematologist at Lake Region Healthcare in Fergus Falls, Minnesota. The experiences he obtained at MSUM were influential in shaping his career path. He participated in undergraduate research in the Chemistry Department for three years during his time at MSUM. He feels that the skills he developed during the research experience were useful in several aspects of his clinical education and career development. A familiarity with research methods and experience presenting research findings provided a skill set that paid dividends throughout the medical education process. A variety of other experiences and activities at MSUM provided a foundation for future career development.
Student Panelists

Klarissa Pudwill
Representing Arts and Humanities

I am a sixth year student, in my third and final year at Moorhead, after transferring from Bismarck State College. I will graduate with a Bachelor of Arts in Theater Performance with an emphasis in Musical Theater. This is my first year presenting at the SAC. I am pleased to be presenting a musical that I directed, The Musical of Musicals, The Musical! I am a recipient of the Mark Robert Lukac Scholarship Award for this school year. I have been a part of the MSUM’s Straw Hat Players for two years and have sung the National Anthems and numerous school activities. I am excited to put into practice the knowledge and experience that I have received at MSUM in my career after I graduate.

Suzanne Al-Kayli
Representing Social and Natural Sciences

Born and raised in Fargo, ND. I am currently in my last semester at MSUM for a dual degree in Sociology and Political Science with a minor in Women’s Studies. I have presented 3 different times at the SAC in the last two years, and will be doing so again this year. Sociology is my passion, I love to use theory and discuss events that are occurring in our modern society, what the implications of those actions means, and how people internalize their social selves. I hope to be going to graduate school after I take a well deserved break for one year.
Student Panelists

William Scott  
Representing Education and Human Services

My name is William Scott and I am a 5th year senior in Communication Arts and Literature Teacher Education as well as Social Studies Education. I was born and raised in Fargo, graduating from Fargo North High School in 2005. My interests include staying current on teaching methods in both of my disciplines.

Kyle Blake  
Representing Business and Industry

I am in my last year at MSUM finishing a degree in Business Management with an Economics minor. I am passionate about strategy, leadership, and innovation. My career goal is to leverage my strengths with like-minded individuals to create value and improve our changing world. I have represented students and advocated for their interests for more than two years as a student senator from the College of Business and Industry and through work with the Minnesota State University Student Association. I was appointed to the Dean’s Student Advisory Board for the College of Business and Industry in 2009. I graduated from North Dakota State University with a degree in Food and Nutrition, Didactic Program in Dietetics, in 1989. I participated in experimental foods research while earning my first degree and will be presenting with two other students at this year’s Student Academic Conference.
Sophomores Britt Lazur and Courtney Johnson are presenting “Beautifully Bald: Learning to Live with Alopecia through Self-Disclosure and Friendship” through the Communication Studies department, with Dean Denise Gorsline of the university college as their adviser.

The oral presentation will tell the story of Lazur’s struggle with alopecia, a skin disease that causes hair loss, and will describe how her friendship with Johnson has helped them both realize the disease isn’t necessarily negative and can be utilized as an opportunity for growth.

“It really allows me some perspective,” Lazur said. “I can help my future students love themselves and be more comfortable with themselves because I’ve been through that. I have a similar experience that’s very obvious: losing your hair.”

Johnson, a photography major, will show how alopecia helped them learn about societal beauty and how it has helped her grow professionally with photography. She will be sharing photographs from a photo shoot with Lazur last semester.

“Through the use of photography, we’ll discuss the social norms of ‘beautiful,’” Johnson said.

Lazur, an English education major, will describe how living with alopecia will benefit her professionally as a teacher in the future.
Understanding LSD
By: Ryan Kartes

Manasvi Kulshrestha, a bioscience major at Minnesota State University Moorhead, will be presenting her topic “Understanding the neurological basis of LSD” at the Student Academic Conference on April 19, 2011.

Kulshrestha says that she chose to do research on the effects of LSD because she was interested in how it interacted with the human brain, as well as the fact that there is little, if any, research available in scientific journals concerning its use.

“We know that something is happening in the brain when a person takes LSD,” says Kulshrestha, “We just don’t know exactly what.” Kulshrestha said that LSD works by interfering with neurotransmitters, which are like the brain’s messengers, and desensitizing them. Most often it is the serotonin receptors. “LSD is known to affect people’s mood, attention spans and memory,” Kulshrestha says, “but it can also be used to treat schizophrenia. It creates a condition similar to schizophrenia in the user, so if we can understand how a schizophrenic feels, we can provide better treatment for them.”

Kulshrestha said that the reason LSD isn’t being used as a treatment, or even considered as a viable option worthy of study, is that it’s illegal. “I have not seen any convincing reason for it to be illegal,” she said, “Yes, it was being abused, but it’s highly misunderstood. People are so ignorant; it may have bad qualities to it, but that doesn’t mean it doesn’t have any good ones as well.”

Kulshrestha said that preparing for the conference has been a very rewarding experience, and she hopes that her presentation is very informative. Her goal is to clear up some of the ignorance about LSD, as well as the stigma against it. “I can apply my research and thoughts to my project as a learner, but at the end of the day, it is how I feel about my topic that is presented,” Kulshrestha said.
In a time before Leonardo’s “Mona Lisa,” and Michelangelo’s “Sistine Chapel,” Ancient Egypt stood with its iconic pharaoh. The portrayal of the pharaoh and his long conical beard has been a staple throughout art history. However some like Catherine Wack, better known as Cat, question the significance of the beard.

“In ancient Egyptian art you’ll have depictions such as sculptures and paintings of the same pharaoh and in one piece you’ll have the really long conical beard but in another piece there will be the same pharaoh, and he doesn’t,” says Cat. During Minnesota State University of Moorhead’s Student Academic Conference, Cat will demonstrate her thesis for the reason Ancient Egyptian pharaoh’s beards mysteriously disappear and reappear, “I will be discussing and proving my view and my point of what conical false beards meant to the ancient Egyptian audience and what their part was in iconography.”

Cat is going for a double emphasis of a drawing and art history major, “I’ve always been interested in art and it’s pretty much what I focused on in high school. I did not have anything that I was remarkably good at other than that, so going into college it was pretty much the one thing I had going for me.” Cat’s study on ancient Egyptian art began a few semesters ago in a class studying Egyptian art history. She was unable to achieve a grade due to health issues and therefore she is taking part of the annual academic conference to make up for it. She will be using visuals and discussing her thesis throughout the power point.
Black and white photos of animals and the sad songs of Sarah McLachlan may make eyes water and get people thinking about their local animal shelter, but not many people actually do something to help.

Kathrine Cork, an MSUM student from Craig, Colo., is an exception. She’s part of a group giving a presentation called “Volunteer: All Paws Down” and it’s about the importance of humane societies, and how people can help out their local shelter. Cork joined the group after its initial formation but that doesn’t mean she isn’t passionate about the subject.

“I did some volunteering back at the shelter in my hometown all through middle school and part of high school,” Cork says. “It’s definitely something I care about.” She encourages others to volunteer at their local shelter, though she warns “not all jobs are as fun as playing with cute dogs and cats.”

Volunteer work involves caring for the animals: Grooming, cage cleaning, water refreshing and exercising them. Volunteers are also expected to help potential adopters view the animals and make a decision on whether they’d like to take an animal home.

For those curious about adoption, Cork explains “you can actually do a foster home for a pet if you’re not sure you’re ready.” Fostering an animal gives it a good home until someone decides to adopt it. The Humane Society tries to provide a high level of care, but individual care at a foster home generally provides more attention and care for the animal. If the foster care person decides to keep the animal, he or she is able to officially adopt it; otherwise he or she can care for it until a permanent owner is found. Volunteering or foster care is a large time commitment. Those who would like to help but don’t have the time can donate money to the shelter, Cork says. Donations are used to help provide food, kitty litter and other items the shelter needs to care for animals. Those interested in learning more should watch Cork’s presentation during the Student Academic Conference.
The first thing you notice when you meet Kaley Fisk is her smile. From the moment she walked into the interview to the moment she left, her passion for nursing was apparent in her smile.

Fisk grew up in Langdon, North Dakota, with her parents and brother. After graduation, she decided to attend Minnesota State University Moorhead to follow in her grandmother’s footsteps and become a nurse. MSUM has an excellent accelerated nursing program, which suited her well.

Fisk, a senior graduating this spring, is a presenter at this year’s Student Academic Conference. Her poster on “How to care for the Elderly in a Rural Community” fills a requirement for graduating. Fisk’s work at Bethany Homes gave her inspiration to choose this topic. When asked about the intent of her project Fisk said, “I am just trying to educate people about all of the problems that elderly people go through.”
Two Minnesota State University of Moorhead students will be spending their spring break studying farmers markets in Costa Rica.

Sophomore Heather North and junior Phillip Schotte will be presenting, “Farmers market vs. large American supermarkets” at this spring’s student academic conference.

Schotte and North will be in Costa Rica for 10 days studying the country’s small farmers markets.

Schotte, a marine biologist major from Rochester Minn., said that in Costa Rica, the food markets are very different compared to the Wal-Mart’s of America.

“There is a big difference in the culture of buying food in Costa Rica than how we buy in America,” said Schotte.

North, a Grand Forks, N.D. majoring in biology, explained that the markets in Costa Rica are run on a much smaller scale.

“In a lot of other countries, the producer of food also sells the food, unlike in America.”

North and Schotte will share their experiences at MSUM’s student academic conference in April. The two students hope to teach how the American way of buying food is not exactly the world’s way.
This year’s Student Academic Conference will involve many students from the film department sharing their knowledge of the art. One such student is Joshua Resch from Champlin, MN.

As a junior majoring in film with an emphasis in video production, Resch will be presenting a film he produced himself. The film is for the Recovery Worship, a church that helps people recover from various addictions. Resch says he will be screening the film and will follow with a presentation of how he and his group went about filming it, what it was like talking to the clients, and what the documentary is about.

This is Resch’s second time appearing in the conference. During last year’s SAC he said it was “a really fun experience.” Since last year, Resch became fully involved in the school’s film department helping others with film shoots, producing films, making his own films, and also being on the chief executive board of the Cinethusiast Club. When his advanced video production professor asked if anyone wanted to be a part of the conference this year Resch went for the opportunity, “I thought that I would participate this year so people could see my work.”

Resch hopes the film will give others “a look into the Fargo-Moorhead community and at the work that we as film students here at MSUM are producing for our very own community.”
Romantic relations affect all college students, but understanding the behaviors we exhibit due to them is hard to explain. Positive illusions, jealousy and commitment are three powerful predictors in the length of a relationship and little research has been done on these areas together.

Lisa Dowers, a senior psychology major, began questioning females’ inconsistent behaviors towards threats in relationships. “Human behavior is one of the facets which I find myself aiming to know more about,” Dower says.

Dowers is preparing to present her findings at the MSUM Student Academic Conference. Her project is looking at females in relationships and how positive illusions affect jealousy and commitment in both positive and negative ways. “Contrasting to the positive views that are associated with high commitment I believe I will find less commitment in those with positive illusions,” Dowers explained.

She is currently conducting an experiment to determine how females react in threatening situations versus non-threatening situations.

The results will impact knowledge we have on how relationships are maintained, which will direct further research. Dowers stated, “My hypothesis for this research is something that the average individual can relate to and it can be easily applied to everyday behavior.”

After attending the Student Academic Conference last year, Dowers immediately knew she wanted to be a presenter. She feels that it is not only a great learning experience, but also an opportunity to get her research out into the eyes of the public.
All those times parents told their kids to stop flashing gang signs in their Facebook pictures actually count for something, as even a town like Moorhead has its own gang population.

Crystal Smith, a junior in the criminal justice program, will be presenting “Moorhead Gangs.”

“I’ve always been interested in crime shows and mysteries and stuff,” Smith said.

Smith chose to focus her presentation on gangs in Moorhead because she was curious herself.

“It’s going to be hard to present it in a way that won’t sensationalize it,” Smith said. “It’s a very sensitive subject … I feel like it will be hard to do it ethically.”

Smith has made herself familiar to Moorhead police by taking part in Police Explorers, a classroom and exercise based program to teach people aged 15 to 21 years old how to think and react like an actual officer. She has also participated in ride-alongs, sitting in the passenger seat of a patrol officer’s squad car during a shift to shadow their typical activities.

Chris Martin, the detective in charge of gang and narcotics investigations, has been a major source of information for Smith. She’s also spoken to MSUM psychology professor Nick Leonard, who has done psychology work in downtown Chicago with gang families.

“Moorhead gangs are more focused in drug trafficking than gang violence,” Smith said. She added gangs in Moorhead are often part of larger national gangs, but lack in-depth relations. Most members are older and aren’t as involved as gang branches that are based in major cities.
In an age of MP3 players and digital distractions, poetry can seem a thing of the past. Logan Herold, an MSUM senior majoring in English, sees it differently.

A poet himself, Herold practices one of the world’s oldest art forms. But despite thousands of years in popularity, a passion for lines and verses is not always easy to find. In his studies, Herold often wonders why poetry fell out of favor with a younger generation. The answer, he believes, is in the way we learn it.

“We teach people to analyze poetry on such a literal level,” Herold said. “I want people to respond to how they see the image, how they feel about it, how it makes them react. That’s the way people generally respond to music.”

According to Herold, the emotional appeal and engaging rhythm of a good song can also be found in many poems. He wishes more people made the comparison, explaining that poets like Allen Ginsberg can conjure the same haunting energy as Billie Holiday, Flogging Molly and other musical legends.

Borrowing a term from the Spanish poet Federico Garcia Lorca, Herold calls that energy “duende,” or the power to evoke physical sensations in the listener. Lorca explained the concept as a kind of inner struggle, unconscious in nature, through which art can be experienced at an instinctive level. This effect, Herold contends, is what makes us remember our favorite music and poetry best.

“You hear it and you can’t get it out of your head,” Herold said. “If you don’t have that feeling, that sense of ‘duende,’ you just have a bunch of pretty words written.”

Using this idea, Herold wants to remind students that poetry isn’t just for literary buffs and that it requires no special study to enjoy. He knows his approach may draw disapproval from die-hard poetry enthusiasts, but he’s more interested in spreading the word than arguing with any critics.

“If it gets people talking about it, I’m happy,” Herold said. Herold’s own poetry has been published in MSUM’s annual literary magazine “Red Weather” and he will be reading his work at the 2011 Sigma Tau Delta International Convention in Pittsburgh this coming March.
Many people love all the elements of fashion from the unique clothes that are worn, the detailed makeup, to the offbeat designers, celebrities, and models.

Let’s face it, one of the most cutthroat, competitive, and thrilling industries is the fashion industry. But the models and designers aren’t the only ones on the forefront of fashion.

Megan Mack and Traci Burke are both studying art and photography at MSUM. Mack and Burke are doing a powerpoint presentation on how the fashion industry has evolved with the art of photography for the 2011 spring student academic conference.

Fashion is a way of expressing my ideas and I feel like I have more of a connection with the camera, says Mack.

Fashion and photography have lots of things in common with how commercial photography and fashion are both about staying on top of trends and experimenting.

I believe that fashion photography has changed through the years by becoming more conceptual with how they «sell» the clothing and products; in earlier years fashion photography was very commercial in the way that products were displayed and how things were much more catalog than high fashion, says Burke.

With advanced editing programs and digital photography getting the perfect image has been made easier and more accessible.

“Fashion photography, fashion advertisement, and even how the media portrays the designers clothing has changed,” says Mack.

Mack and Burke are hoping to open the eyes of people at the student academic conference and demonstrate of how the camera lens can capture the true essence and beauty of fashion.
Protecting your children on the Internet playground

By: Dylan Jacobson

The next time you log onto Facebook or meet someone new in a chat room, Taunia Tigs urges you to stop and think. By allowing a stranger on your computer screen, you are allowing a stranger into your living room. Tigs wants you to keep in mind how close your Facebook friends really are.

What started as an oral presentation for her media ethics class has become her presentation for the Student Academic Conference: “The Internet and Pedophiles, Are Your Children at Risk?” Along with being a student, Tigs is a mother of three young girls and her presentation topic is close to her heart. “As parents, it is very important that we take time, be aware and be diligent of protecting our kids; you can’t just expect that somebody else is going to,” Tigs says. Autonomy is what makes the Internet an ideal hangout for predators. It is a crime that is almost impossible to persecute. “All they need is a different computer or a different username,” said Tigs.

While the Internet can be dangerous, Tigs stresses knowledge is power against pedophiles, and gives these tips for safer Internet surfing:

- Educate kids to let them know what they might encounter online and to respond.
- Use passwords and Internet safety options.
- Keep the computer in an open room and always be around when kids are online.

Tigs did admit she is a bit nervous for the conference. She said: “I wasn’t sure at first that my paper would be worthy.” However, her excitement outweighs anything else. “Not every university offers an opportunity for its students like this. I think this is a great opportunity and if I didn’t take advantage of it, id probably regret it later.”
Students join cancer research on campus

By Kristin Kirtz

NHE1 is a sodium hydrogen exchanger. No one knows what that means, right? Wrong. MSUM junior Rubi Gutierrez does.

Along with six other students, Gutierrez is involved with cancer research on campus, working side-by-side with Dr. Mark Wallert and Dr. Joseph Provost. Although Gutierrez was new to this study last semester, this research has been going on for a few years.

“I went to research night and heard about Dr. Wallert and Dr. Provost’s research and I thought it sounded like a good experience, so I applied,” Gutierrez said.

When Gutierrez found out she got the job, she went hard to work in the lab. Each individual person has their own specific experiment to perform.

“My job is to take three different kinds of cell lines and stimulate them with stress fiber formations, which are thought to be responsible for cancer cells moving, and I am hoping to prove that NHE1 is responsible for stress cell formation,” said Gutierrez.

If that didn’t make any sense to you, don’t worry. In plain English, Gutierrez is trying to prove that a certain protein is to blame for cancer cells moving.

“So far I’ve gotten really good results and we are making really good progress,” Gutierrez said.

At the end of all of this, the ultimate goal is to publish a medical paper about their discovery.
9:30 A.M.

Stop Kiss
Produced by THTR 490 Practical Studio

“A poignant and funny play about the ways, both sudden and slow, that lives can change irrevocably,” says Variety. After Callie meets Sara, the two unexpectedly fall in love. Their first kiss provokes a violent attack that transforms their lives in a way they could never anticipate.

An entirely student produced play from directors and actors, to stage management and design. See MSU Moorhead students put theory into practice in this contemporary play performance.

90-minute presentation
in Glasrud Auditorium, Weld Hall

1:00 P.M.

If You Give A Mouse A Cookie
Produced by THTR 469 Theatre Internship

Let’s say you’re standing around the kitchen, minding your own business, when a mouse in overalls wearing a backpack shows up. What would you do? See how a curious kid finds himself figure skating on scrub brushes, wrestling boa constrictors and climbing mountains when an innocent milk-and-cookie snack time goes from mishap to calamity to catastrophe faster than the twitch of a whisker!

Based on the popular children’s book of the same title, this professional internship allows MSU Moorhead theatre arts students a unique touring experience. This group of actors performs February through April to groups across Minnesota and North Dakota. Reconnect with your childhood in this truly charming theatrical endeavor.

45-minute presentation
in Glasrud Auditorium, Weld Hall

2:30 P.M.

The Musical of Musicals
Produced by THTR 490 Practical Studio

The Musical of Musicals (The Musical!) is a musical about musicals! In this hilarious satire of musical theatre, one story becomes five delightful musicals, each written in the distinctive style of a different master of the form, from Rodgers and Hammerstein to Stephen Sondheim. This comic valentine to musical theatre was the longest running show in the York Theatre Company’s 35-year history before moving to Off-Broadway.


An entirely student produced play from directors and actors, to stage management and design. See MSU Moorhead students put theory into practice in this unique musical theatre performance.

2-hour presentation at
Gaede Stage, Dille Center for the Arts
**Accounting**

**Forensic Accounting: A Research Study**  
Sujata Sherchan, Aisha Mohamed, Mallika Koirala  
Oral Presentation  
3:20 – 3:40 • LO 0108

**Cybercrime on Campus**  
Tharaka Muthukumarana, Nasheeba Shrestha  
Poster/Display #2  
10:10AM – 10:50AM • CMU Basement Hallway

**How to Prevent Internal Fraud**  
Thomas George, Alexander Hajicek  
Poster/Display #3  
1:00PM – 1:40PM • CMU Basement Hallway

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**Anthropology**

**EM Survey at Historic Moorhead Site**  
Ashleigh Day  
Poster/Display #6  
10:10AM – 10:50AM • CMU Basement Hallway

**Fort “Desolation” ND: Mortuary Analysis and Culture**  
Larissa Harris, Jenna Clawson  
Poster/Display #5  
10:10AM – 10:50AM • CMU Main Lounge

**Gender Among The Lakota**  
Robert Jacobson  
Poster/Display #9  
10:10AM – 10:50AM • CMU 2nd Floor Hallway

**Hands-on cultural learning: the story of a birch bark lodge**  
Athena Aitken  
Poster/Display #8  
10:10AM – 10:50AM • CMU 2nd Floor Hallway

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**Art and Design**

**“Malleable”: A Presentation of Sarah Poepping’s Photographic Series**  
Sarah Poepping  
Oral Presentation  
10:10 – 10:30 • CMU 203

**Neologisms: the death of English and birth of new American**  
Eric Olson  
Poster/Display 10  
1:00PM – 1:40PM • CMU 2nd Floor Hallway

**Prehistoric Settlement in Swift County, Minnesota**  
Katie Jacobson  
Poster/Display 11  
1:40PM – 2:20PM • CMU Basement Hallway

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**Gender Among The Lakota**  
Robert Jacobson  
Poster/Display #9  
10:10AM – 10:50AM • CMU 2nd Floor Hallway

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**Art and Design**

**“Malleable”: A Presentation of Sarah Poepping’s Photographic Series**  
Sarah Poepping  
Oral Presentation  
10:10 – 10:30 • CMU 203

**A Disappearing and Reappearing Act: The Iconic Beard of Ancient Egyptian Pharaohs**  
Catherine Wack  
Oral Presentation  
10:30 – 10:50 • CMU 203
Earth Art of the 1960s and 70s
Lewis Burris
Oral Presentation
1:00 – 2:20 • CMU 203

Fashion Through The Lens
Traci Burke, Megan Mack
Oral Presentation
9:50 – 10:10 • CMU 203

Just Do It: Nike’s Takeover of Sports Design and Marketing
Addie Borgh
Oral Presentation
1:00 – 2:20 • CMU 203

Lasting Projects of the New Deal in Fargo/Moorhead
Jessica Lambertz
Oral Presentation
9:30 – 9:50 • CMU 203

The Cultural Relevance of Comics
Rebekah Wicklund
Oral Presentation
1:00 – 2:20 • CMU 203

The Direction of Interactive Design
Jacob Christenson
Oral Presentation
1:00 – 2:20 • CMU 203

The Power Of Questions: Divergent Thought in the 21st Century
Moriah Thielges
Oral Presentation
2:30 – 2:50 • CMU 203

Early Photographic Process: Van Dyke Brown.
Kelsey Cain, Madalyn Mickelberg
Poster/Display #15
10:10AM – 10:50AM • CMU Basement Hallway

Graphic Design and the proper way to layout a poster
Katie Hamness, Kaitly O’Malley, Amber Nelson, Jacob Christenson, Whitney Lunn
Poster/Display #13
10:10AM – 10:50AM • CMU 2nd Floor Hallway

How to Make and Use a Pin Hole Camera
Tiffany Boecker, Kayla Lagred, Dan Marsh
Table Display #12
10:10AM – 10:50AM • CMU 2nd Floor Hallway

Petrichor Images: Vanessa Gamelin Photography
Vanessa Gamelin
Poster/Display #17
1:40PM – 2:20PM • CMU Basement Hallway

The Unknown Work of Vivian Maier
Julian Dahlquist
Poster/Display #16
2:30PM – 3:10PM • CMU 2nd Floor Hallway

Wedding Photography by MwPhotography
Melissa Wentworth
Table Display
3:30PM – 4:10PM • CMU 2nd Floor Hallway

Athletic Training

Acupuncture in our lives
Yusuke Nejo
Poster/Display 25
9:30:00 AM – 10:10:00AM • CMU Basement Hallway

Concussions: Can the effects linger for decades?
Gregory Martodam
Poster/Display 24
9:30:00 AM – 10:10:00AM • CMU 2nd Floor Hallway

Times and locations may have changed since the publication of this document. Please click on the Dragon logo at the bottom of the page to go to the Student Academic Conference website for the most up-to-date information.
Cystic Fibrosis
Rachael Ochs
Poster/Display 22
10:10AM – 10:50AM • CMU Basement Hallway

Dazed and Confused
Alexandra Mahmood
Poster/Display 19
10:10AM – 10:50AM • CMU Basement Hallway

KAATSU Training
Takuto Kondo
Poster/Display 21
1:00PM – 1:40PM • CMU Basement Hallway

Migraines
Mark McIntire
Poster/Display 23
1:00PM – 1:40PM • CMU 2nd Floor Hallway

Vocal Cord Disorder: The Mistaken Wheeze
Amber Brandenburger
Poster/Display 20
3:30PM – 4:10PM • CMU Main Lounge

Whats So Fishy About Fish Oils
Joshua Werk
Poster/Display 18
3:30PM – 4:10PM • CMU 2nd Floor Hallway

Biology
A test of a method for mass – training fish for applications in aquaculture.
Justin Olson
Oral Presentation
9:50 – 10:10 • CMU 205

Do trematode cercariae, Ornithodiplostomum ptychocheilus, employ inclusive fitness by acting as a food source for their intermediate host fathead minnow, Pimephales promelas?
Tara Eichhorn
Oral Presentation
10:10 – 10:30 • CMU 205

Effect of order of stimulus presentation on releaser – induced recognition learning
Tara Eichhorn, Jessica A Michelson, Justin A Olson,
Michelle M Toren, Kiaja R Undersander
Oral Presentation
10:30 – 10:50 • CMU 205

Emergence of Antiviral Drug Resistance in Herpesviruses
Jasen Walker
Oral Presentation
1:20 – 1:40 • CMU 205

Farming Techniques in Costa Rica vs. United States
Jacinta David, Joanna Lock, Jase Beck
Oral Presentation
2:30 – 2:50 • CMU 205

Money Doesn’t Grow on Trees: The environmental, economic, and global costs of deforestation in Costa Rica.
Danielle Kuperus, Nancy Stenger
Oral Presentation
2:00 – 2:20 • CMU 205

Organics and Inorganics of America and Costa Rica
Lindsay Mitlyng, Jennifer Kelley
Oral Presentation
1:00 – 1:20 • CMU 205

Times and locations may have changed since the publication of this document. Please click on the Dragon logo at the bottom of the page to go to the Student Academic Conference website for the most up-to-date information.
<table>
<thead>
<tr>
<th>Title</th>
<th>Authors/Presenter(S)</th>
<th>Time and Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shopping at Farmers Markets vs. Large Supermarkets</td>
<td>Phillip Schotte, Heather North</td>
<td>1:40 – 2:00 • CMU 205</td>
</tr>
<tr>
<td>A Decade of Painted Turtle Ecology in Clay County, Minnesota What Have We Learned?</td>
<td>DeAnna Rastedt, Ashley D. Remmick, Nicole D. Brokmeier, Justin A. Olson, Jason L. Walker, Jennifer D. Ringgold, Sarah E. Martinson</td>
<td>9:30 – 10:10 • CMU Basement Hallway</td>
</tr>
<tr>
<td>A Test For Phenotypic Plasticity In The Ontogeny of Skeletal Ossification in Larvae of Two Species of Cichlids</td>
<td>Feba Hauer, Kevin Kinter, Alane Sauer, Jessica Nymark, Kevin Kinter</td>
<td>9:30 – 10:10 • CMU Basement Hallway</td>
</tr>
<tr>
<td>Bacillus</td>
<td>Dana Dugger</td>
<td>9:30 – 10:10 • CMU Basement Hallway</td>
</tr>
<tr>
<td>Behavioral modifications of Pimephales promelas infected with the brain parasite Ornithodiplostomum ptychocheilus in response to light cues.</td>
<td>Michelle Toren</td>
<td>9:30 – 10:10 • CMU Main Lounge</td>
</tr>
<tr>
<td>Bi – Parental Teaching by Fish</td>
<td>Nicole Savageau, Kim Fritel</td>
<td>9:30 – 10:10 • CMU Main Lounge</td>
</tr>
<tr>
<td>Common Garden Experiment in Convict Cichlid</td>
<td>Randy Sutrisno, Phillip Schotte</td>
<td>9:30 – 10:10 • CMU 2nd Floor Hallway</td>
</tr>
<tr>
<td>Does population carrying capacity in protists scale exponentially with temperature?</td>
<td>Ariel Gray, Ashlyn Kuklock, Jaclynn Kuklock</td>
<td>10:10AM – 10:50AM • CMU Basement Hallway</td>
</tr>
<tr>
<td>Drifts and Shifts of Influenza Virus and Immune Response</td>
<td>Finlay Marube</td>
<td>10:10AM – 10:50AM • CMU Basement Hallway</td>
</tr>
<tr>
<td>Experimental infection of fat head minnows, Pimphelas promelas, with the brain worm Ornithodiplostomum ptychocheilus, and testing if the infection leads to chemical signals being released from the infected fish</td>
<td>Kiaja Undersander</td>
<td>10:10AM – 10:50AM • CMU Main Lounge</td>
</tr>
<tr>
<td>Exploration of the relationship between the Cassava plant to the Taino people of the Greater Antilles.</td>
<td>Kimberly Iwen, Nathaniel Jacob Arneson</td>
<td>10:10AM – 10:50AM • CMU Main Lounge</td>
</tr>
</tbody>
</table>
Feeding level and size – pairing impacts on intraspecific competition between fathead minnows
Harrison Pantera, Brent Vandal
Poster/Display 32
10:10AM – 10:50AM · CMU Main Lounge

In Silico Analysis and Molecular Dissection of the PPDK:PDRP Interaction
Mitchell Lakner, Sara Aleem, Nivedha Manohar
Poster/Display 28
1:00PM – 1:40PM · CMU Basement Hallway

Investigations of biochemical and molecular mechanisms of systemic acquired resistance in Cucumis sativus
Natalia Belavina
Poster/Display 30
1:00PM – 1:40PM · CMU Basement Hallway

Lyme Disease Prevalence in Southeastern North Dakota
Daisy Boatey
Poster/Display 43
1:00PM – 1:40PM · CMU Basement Hallway

Match.com – What’s your blood group?
Heather Sorenson
Poster/Display 48
1:00PM – 1:40PM · CMU Main Lounge

Parental teaching by fish biparental
Kim Fritel, Nicole Savageau
Poster/Display 39
1:40PM – 2:20PM · CMU Basement Hallway

Preliminary genetic analysis of Lasioglossum (Dialictus) spp. (Hymenoptera: Apoidea) of western Minnesota tallgrass prairie.
Nancy Stenger, Karsten Nash, Rachel Walsh, Emmanuel Fohle, Angela Mccollam
Poster/Display 26
1:40PM – 2:20PM · CMU Basement Hallway

Science Discovery Camp for Middle School Students
Mitchell Lakner, Renek Jorgenson
Poster/Display 29
1:40PM – 2:20PM · CMU Main Lounge

Shining a Light on Acne
Sabrina Sam
Poster/Display 49
1:40PM – 2:20PM · CMU 2nd Floor Hallway

Testing Inheritability of Shy/Bold Personality Traits in Zebrafish Offspring
Cory Sailer, Sonny Radenic, Randy Sutrisno
Poster/Display 37
2:30PM – 3:10PM · CMU Main Lounge

The affects of exotic earthworms on Big Bluestem, Andropogon gerardii, prairie plants
Amy Moorhouse, Brittany Beers
Poster/Display 36
2:30PM – 3:10PM · CMU Main Lounge

The Role of NHE in Directional Cellular Migration
Abbey Walski
Poster/Display 44
2:30PM – 3:10PM · CMU 2nd Floor Hallway

Understanding the neurological basis of LSD
Manasvi Kulshrestha
Poster/Display 42
3:30PM – 4:10PM · CMU Main Lounge
Urban Canada Geese in Moorhead, Minnesota: How Many are Too Many?
DeAnna Rastedt, Kyle Kosak, Christina Sadowski
Poster/Display 33
3:30PM – 4:10PM • CMU Main Lounge

DeAnna Rastedt, Ashley D. Remmick, Jasen L. Walker
Poster/Display 34
3:30PM – 4:10PM • CMU Main Lounge

Corrick Center for General Education

Designer Babies
Alyssa Olson, Shana Heuer, Caitlyn Holowell, Ivy Schueller, Yalonda Nelson
Debate
2:50 – 3:20 • CMU 205

Chemistry

Does Piagetian Cognitive Ability Level Affect Student Ability To Accurately Perceive And Interpret Environmental Threats?
Amanda Fay, Abbi Wittner, David Bye
Oral Presentation
9:30 – 9:50 • CMU 207

Impact of NHE1 Phosphorylation by Ribosomal S – 6 kinase and RhoA kinase on ERM binding and cell motility
Tony Nguyen
Poster/Display 23
1:00–1:40 • CMU 2nd Floor Hallway

Investigation of calcineurin B homologous protein isoform 2 regulation of Na+/H+ exchanger. A potential novel therapeutic target to treat non – small cell lung cancer.
Kristina Anderson
Oral Presentation
1:20–1:40 • Ballroom D

A New Procedure for the Acylation of Pyrazolidinone Rings Using Mukayamas Reagent
Amie Nowacki
Poster/Display 63
9:30 – 10:10 • CMU basement Hallway

A New Procedure for the Acylation of Pyrazolidinone Rings Using Mukayamas Reagent
Amie Nowacki
Poster/Display 62
9:30 – 10:10 • CMU basement Hallway

A Novel Method to Generate IR Spectra of Solutes in Solution State
Etseshiwo Gebreselassie, Ruvimbo Chitemere
Poster/Display 53
9:30 – 10:10 • CMU basement Hallway
Assessment of Rsk and Rock Phosphorylation of NHE1 on Cell Proliferation and Migration.
Cory Weidman
Poster/Display 65
9:30 – 10:10 • CMU Basement Hallway

Conjugate Addition of Malononitrile to Unsaturated Carbonyls
Kiesha Bullock
Poster/Display 59
9:30 – 10:10 • CMU 2nd Floor Hallway

Conjugate Additions to Unsaturated Carbonyls
Pedro Flores Gallardo
Poster/Display 61
10:10AM – 10:50AM • CMU Basement Hallway

Copper(II) Complexes of Pyridine – 2, 6 – bisamide Ligands
Kaitlyn Funk, Michelle Branch
Poster/Display 54
10:10AM – 10:50AM • CMU Basement Hallway

High – yield synthesis of the semicarbazide adduct of cyanoborane
Ismael Banla, Taehyun Kim
Poster/Display 55
10:10AM – 10:50AM • CMU 2nd Floor Hallway

Improved Procedures for the N – Alkylation of Pyrazolidinone Rings Using Aldehydes and Sodium Borohydride
Jasen Walker
Poster/Display 58
2:00–2:40 • CMU Basement Hallway

In vivo EPR signal reduction of spin – labeled free radicals in living mice
Victoria Honetschlager
Poster/Display 64
1:00PM – 1:40PM • CMU Basement Hallway

Measuring NHE activity with fluorescence microscopy.
Nicholas Berthelsen
Poster/Display 67
1:00PM – 1:40PM • CMU Main Lounge

Preparation of Imino Esters and Investigation of their Conjugate Additions to Unsaturated Carbonyls
Arjun Kafle
Poster/Display 60
1:40PM – 2:20PM • CMU Basement Hallway

Preparation of Tetrahydroisoquinoline – Derived Azomethine Ylide Dipoles and Investigation of their Cycloaddition to Unsaturated Acyl Pyrazolidinones
Zachary Morseth
Poster/Display 57
1:40PM – 2:20PM • CMU Basement Hallway

Synthesis and Characterization of a Dye – Sensitizer
Samantha Stewart – James, Gifty Fokuo
Poster/Display 52
1:40PM – 2:20PM • CMU 2nd Floor Hallway

Synthesis of a new Cyanoborane polymer with a trigonal planar boron.
Taehyun Kim , Ismael Banla
Poster/Display 56
1:40PM – 2:20PM • CMU 2nd Floor Hallway

The Role of NHE1 Transmembrane Protein in Stress Fiber Formation
Rubi Gutierrez
Poster/Display 66
2:30PM – 3:10PM • CMU 2nd Floor Hallway
Criminal Justice

Moorhead Gangs
Crystal Smith
Oral Presentation
3:20 – 3:40 • CMU 203

Construction Management

Construction Management Capstone Experience
- Multi-unit housing development
Corey Bronczyk, Joshua Ridler, Lucas Menton
Oral Presentation
3:30 – 3:50 • CMU 207

Capstone Experience – BDM Constructors
Bryan Franklin, Michael Kirby, Derek Bomstad
Poster/Display 70
9:30 – 10:10 • CMU Main Lounge

CM496 Downtown Moorhead Project
Anthony Erickson, Adam Brammer
Poster/Display 68
9:30 – 10:10 • CMU 2nd Floor Hallway

Noodles And Company
Phillip Eslinger, John Bell, John Bellon
Poster/Display 72
1:00PM – 1:40PM • CMU 2nd Floor Hallway

Sub – Zero Contractor’s Recreational Renovation
Jordan Korczak, Kelly Ham, Justin Filas
Poster/Display 69
1:40PM – 2:20PM • CMU 2nd Floor Hallway

Supercross Track
Christopher Roach, Zachary Hill, Anup Adhikari, Ryan Seidel
Poster/Display 71
1:40PM – 2:20PM • CMU 2nd Floor Hallway

Communication Studies

A Postmodern Pyramid: The Rhetoric in Radiohead’s Pyramid Song
Grant Ertl
Oral Presentation
9:50 – 10:10 • CMU 227

An Assessment on the Republican Candidates for the 2012 Election.
Danielle Saul
Oral Presentation
1:20 – 1:40 • CMU 227

Beautifully Bald: Learning to Live with Alopecia through Self – Disclosure and Friendship
Brittany Lazur, Courtney Johnson
Oral Presentation
10:30 – 10:50 • CMU 227

Discovering Bangladesh: Halfway Around The World
Tony Dahlen
Oral Presentation
9:30 – 9:50 • CMU 227

Hunger – Something to Grumble About
Rebecca Spanier, Karly Mackedanz
Oral Presentation
1:40 – 2:00 • CMU 227
Identifying characteristics of conspiracy rhetoric in David Ray Griffin’s The Mysterious Collapse of World Trade Center 7.
Matthew Lech
Oral Presentation
10:10 – 10:30 • CMU 227

Living Learning Communities and retention rate.
Allison Berger, Jeanne Hettich, James Borgen
Oral Presentation
2:00 – 2:20 • CMU 227

Volunteering: All Paws Down
Katelin Hansen, Kathrine Cork, Keely Huso
Oral Presentation
1:00 – 1:20 • CMU 227

Computer Science and Information Systems

Make the next facebook: Developing a webapp on Google App Engine
Sri Krishna Kadimisetty
Workshop
1:40PM – 2:10PM • Ballroom D

Economics

Bumper Expectations: The Effect of Revenue Insurance on Yield Volatility
Nicholas Pates
Oral Presentation
10:10 – 10:30 • Ballrom A

Determinants of the Price of Smartphones
Robert Eden
Oral Presentation
10:30 – 10:50 • Ballrom A

Does the National Basketball Association’s Soft Salary Cap Increase Competitive Parity?
Kegan Reiswig
Oral Presentation
2:00 – 2:20 • Ballrom A

Economic Development in Indian Country: Best Practices and Possibilities
Glen Marshall
Oral Presentation
9:30 – 9:50 • Ballrom B

Effects of Employment on Minnesota State University Moorhead Students’ Grades
Rachel Metzger
Oral Presentation
1:00 – 1:20 • Ballrom B

Every Drop Counts: An Analysis of International Water Markets and Pricing Policies
Jacob Larsen
Oral Presentation
1:00 – 1:20 • Ballrom A

Expansion Outlook: Fergus Falls, MN
Laura Trosdahl
Oral Presentation
2:30 – 2:50 • Ballrom A

Guatemala’s Road to Development: An Economic Assessment.
John Thein
Oral Presentation
3:30 – 3:50 • Ballrom A

How Employment Opportunities Affect University Retention
Luke Sperling
Oral Presentation
9:50 – 10:10 • Ballrom A
Increased Sales in the Fourth Quarter: How Wal-Mart’s Sales Impact the Retail Industry
Aaron Ato-Davies
Oral Presentation
2:50 – 3:10 • Ballroom A

In-Kind Transfers of Payment
Joseph Bottrell
Oral Presentation
10:30 – 10:50 • Ballroom B

Refugees, Opportunities, and Fargo: An Economic Relationship
Vaneesha Dusoruth
Oral Presentation
1:40 – 2:00 • Ballroom A

The Role of Trade and Foreign Direct Investments in the Economic Growth of Sub-Saharan African Countries.
Zuweina Mohamed
Oral Presentation
3:10 – 3:30 • Ballroom A

The U.S. Corporate Tax System: Is Uncle Sam Encouraging Investment Abroad?
Peter McCallum
Oral Presentation
1:20 – 1:40 • Ballroom A

Toward a Sustainable Textbook Future – The Free, Open, and Digital Revolution
Allison Goldberg, Kyle Blake, Margaret Olatunbosun
Oral Presentation
9:30 – 9:50 • Ballroom A

University Housing Policy and the Bottom Line: Strange Bedfellows or Not?
Robert Wright
Oral Presentation
9:50 – 10:10 • Ballroom B

What factors influence the location decisions of service-sector firms in Minnesota and North Dakota?
Laura Lien
Oral Presentation
10:10 – 10:30 • Ballroom B

Transition to Sustainable Energy
Fariha Rahman
Poster/Display 73
3:30PM – 4:10PM • CMU Main Lounge

Elementary and Early Childhood Education

Comparing a Children’s Film to the Literary Work that Inspired It
Amber Short
Poster/Display 74
9:30 – 10:10 • CMU 2nd Floor Hallway

English

“A Fine Frenzy”: Gender Dynamics in “A Midsummer Night’s Dream”
Vanessa Perkins
Oral Presentation
1:40 – 2:00 • CMU 101

An Animal Kingdom of Mishaps
Crystal Pound
Oral Presentation
9:30 – 1:40 • CMU 101
“Where is the Duende?”: An Approach to Understanding Poetry for All Readers
Logan Herold
Oral Presentation
2:00 – 2:20 • CMU 101

Down the Tracks: An Ecocritical Examination of Progress and Nature from Walden to Today
Matthew Pullen
Oral Presentation
9:30 – 1:40 • CMU 101

Henry David Thoreau’s Vision of Man and Nature
Chitrasen Parbhunath
Oral Presentation
9:30 – 1:40 • CMU 101

Hijacking Cultural Momentum: Steinbeck’s Use of the Archetypal Image of Christ in The Grapes of Wrath
Michael Lobdell
Oral Presentation
2:30 – 2:50 • CMU 101

How Atheists Can Get Into Heaven: Christopher Hitchens and the Catholic Church
John Goerke
Oral Presentation
3:10 – 3:40 • CMU 101

Return to the Farm
Emily Welin
Oral Presentation
9:30 – 1:40 • CMU 101

The Land of 9, 999 Lakes
April Matson
Oral Presentation
9:30 – 1:40 • CMU 101

The Necessity of Nature Writing
Kai Thorstad
Oral Presentation
9:30 – 1:40 • CMU 101

The Undeclared Student: Exploration and Strategies
Kimberly Ehrlich
Oral Presentation
2:50 – 3:10 • CMU 101

Chasing Lincoln’s Killer
Hannah Frink
Poster/Display 75
9:30 – 10:10 • CMU 2nd Floor Hallway

Film Studies

Dead Again: A Senior Seminar Film
Marcus Mann, Scott Tostenrud
Film Screening
9:30 – 9:50 • LO 0102

“The Unseen”
Ashley Alsum
Oral Presentation
1:00 – 1:20 • LO 0102

A Reappraisal of Voice – over Narration
Tyler Sorensen
Oral Presentation
10:10 – 10:30 • LO 0102

Analyzing Human Rights in Science Fiction Films
Conor Holt
Oral Presentation
3:30 – 3:50 • LO 0102
Comic Robots in Sci – Fi Films Or I Know What You Did Last Childhood
Fernanda deOliveira
Oral Presentation
2:50 – 3:10 • LO 0102

Film 472 Advanced Video Production Client Videos
Heather Alvar, Joshua Resch, Benjamin Pimlott
Oral Presentation
2:30 – 3:30 • LO 0101

Lineage: Shooting on Location
Joseph Kramer, Tara Kramer
Oral Presentation
9:50 – 10:10 • Ballroom D

Redefecting Film Adaptation: Problems and Possibilities
Jesse Balzer
Oral Presentation
1:40 – 2:00 • LO 0102

The Boy with Stumbling Blocks
Jessica Zeppelin
Oral Presentation
1:20 – 1:40 • LO 0102

The Extra – Amazing Adventures of Extraman and Extragirl
Craig Larson, Mitchell Miller, Nathan Bergeson
Oral Presentation
2:00 – 2:20 • LO 0102

The Media Wargames of Peter Watkins
Troy Weets
Oral Presentation
9:50 – 10:10 • LO 0102

The Psychology of Documentary Design
Sarah Palm
Oral Presentation
10:30 – 10:50 • LO 0102

The Self in Relation to the Other: Recognizing Artificial Intelligence as Our Equal and as the Divine in Science Fiction Films
Simone LeClaire
Oral Presentation
9:30 – 9:50 • Ballroom D

The Unseen: A Senior Seminar Film
Kathleen Kretchmer
Oral Presentation
2:30 – 2:50 • LO 0102

The Years – An Exploration of Feminist Film
Kristen Conaty, Ivan Clow
Oral Presentation
1:20 – 2:00 • LO 0101

White Science Fiction of America
Hotaka Demura
Oral Presentation
3:10 – 3:30 • LO 0102

Analyzing a Synecdoche
Nicholas Collins
Poster/Display 76
9:30 – 10:10 • CMU Basement Hallway

Geoscience

On the Trash Trail
Michael Schreifels
Oral Presentation
10:30 – 10:50 • Ballroom D

Nickel Partitioning
Jordana Anderson, Samantha Buhr, Timothy Erickson
Poster/Display 77
1:00PM – 1:40PM • CMU 2nd Floor Hallway
Conference Participants Listed by Department

Stratigraphic significance of a fossiliferous shale in the lower part of the Raytown Limestone Member of the Iola Limestone (Upper Pennsylvanian) in eastern Kansas
Scott Flores, Kyle Wohnoutka, Gerardo Rodriguez, Kaitlyn Nelson
Poster/Display 79
1:40PM – 2:20PM • CMU 2nd Floor Hallway

There is More to Panama than the Panama Canal
Paige Erickson, Margaret Casey
Poster/Display 78
2:30PM – 3:10PM • CMU 2nd Floor Hallway

History

Benito Juarez
Fidelia Maninga
Oral Presentation
2:30 – 2:50 • LO 0104

Hideyoshi Toyotomi – Policy and Politics in the Warring States period.
Shane Brownell
Oral Presentation
10:10 – 10:30 • LO 0104

Hugo Chavez – The rise of a new age dictator
Dominique Rolando
Oral Presentation
1:20 – 1:40 • LO 0104

Judaism in Late Antiquity
Jose Ledezma
Oral Presentation
10:30 – 10:50 • LO 0104

Li Hung – Chang, Sergei Witte and the Chinese Eastern Railway, 1887 – 1900
Bradley Madsen
Oral Presentation
2:50 – 3:10 • LO 0104

Naturschutz: Policy or Excuse? Examining the Environmental Policies of Germany’s Nazi Regime.
Ashley St Sauver
Oral Presentation
2:00 – 2:20 • LO 0104

Pancho Villa and the Mexican Revolution
Jose Ledezma
Oral Presentation
1:00 – 1:20 • LO 0104

Role of Women in the Third Reich
Corinne Edgerton
Oral Presentation
1:40 – 2:00 • LO 0104

Spanish Conquistadors: Society Before and After Conquest.
Jacob Wiczek
Oral Presentation
9:50 – 10:10 • LO 0104

The Specter of Intervention: British Foreign Policy Pertaining to the American Civil War
Eugene Branstiter
Oral Presentation
3:30 – 3:50 • LO 0101

“The Surviving Chinese Jewish Community”
Eric Rothberg
Oral Presentation
2:30 – 2:50 • CMU 216

The Virgin of Guadalupe: Syncretic Figure of Mexican Catholicism
Christina Welgraven
Oral Presentation
9:30 – 9:50 • LO 0104

The Social Impact of Chernobyl Disaster
Avantika Singh, Atukoralage Indiwari Perera
Oral Presentation
10:10–10:30 • Ballroom D
Health

**Alzheimer’s Disease**
Jill Marketon, Bobbi Jo Unterseher, Katie Kne, Angela Jetvig  
Oral Presentation  
10:30 – 10:50 • CMU 214

**Colon Cancer**
Kristen Bongard, Sagun Shahi, Lhemi Lama, Jessica Fjeld  
Oral Presentation  
1:00 – 1:20 • CMU 214

**Disappointing Maternal Death Rates in the United States**
Samantha Kundinger, Sara Formanek, Lindsey Michaelson, Heather Morrison  
Oral Presentation  
9:50 – 10:10 • CMU 214

**Methicillin – Resistant Staphylococcus Aureus in the Fargo – Moorhead Region**
Amy Lavalla, Amy Wohlhuter, Brooke Harris, Kirsten Nies, Amy LaValla  
Oral Presentation  
9:30 – 9:50 • CMU 214

**Preterm Births in the Scope of Epidemiology**
Tiara Bowman, Brittany Sherven, Andrea Wiest  
Oral Presentation  
10:10 – 10:30 • CMU 214

**Sickle Cell Anemia**
Christian Nwabufo, Emmanuel Fohle, Smita Tandukar, Collins Max Jerry  
Oral Presentation  
1:20 – 1:40 • CMU 214

Transition from Childhood to Adulthood for Autistic Individuals  
Chiranthana Dissanayake, Kristin Grenz, Tyler Carson, Adam Kappes, Jordyn Wallenborn  
Oral Presentation  
1:40 – 2:00 • CMU 214

**Decreasing child mortality in Africa through malaria prevention.**  
Arati Gurung, Brittany Harris, Aaron Rassat, Michelle Toren, Fidelia Maninga  
Poster/Display #1  
9:30 – 10:10 • CMU Basement Hallway

**Anemia**
Pragya Devkota, Sunita Thapa, Radha Maharjan  
Poster/Display 84  
9:30 – 10:10 • CMU Basement Hallway

**Childhood Obesity**
Sanju Basnet, Kody Hass, Nabin Dangi, Smita Tandukar  
Poster/Display 83  
9:30 – 10:10 • CMU 2nd Floor Hallway

**Childhood Obesity**
Karryn Schwab, Shekhar Pandey, Alisha Olson, Courtney Swanson  
Oral Presentation  
1:00–1:20 • Ballroom D

**HIV/AIDS: The silent threat to humanity.**
Margaret Olatunbosun, Durga Rijal, Christelle Lokenye, Landon Dybdal  
Poster/Display 85  
10:10AM – 10:50AM • CMU 2nd Floor Hallway

**Obesity in the United States**
Sara Meidinger, Isaac Thomas, Carly Helfrich, Kaeley Troyer  
Poster/Display 82  
1:40PM – 2:20PM • CMU Basement Hallway

Times and locations may have changed since the publication of this document. Please click on the Dragon logo at the bottom of the page to go to the Student Academic Conference website for the most up-to-date information.
Carly Kalina, Jenna Peper, Kabina Chaulagain
Poster/Display 81
1:40PM – 2:20PM • CMU 2nd Floor Hallway

Honors

Honors Apprentices: Service and Challenge
Janet Aarness, Nick Enger, Dom Rolando, Jessy Belden
Oral Presentation
2:30 – 2:50 • CMU 227

Stabilization of Carbon Emissions
Jessica Belden
Poster/Display 87
1:40PM – 2:20PM • CMU 2nd Floor Hallway

International Studies

A closer look into the hydroelectricity projects of Nepal
Bibhusha Karki
Oral Presentation
3:10 – 3:30 • CMU 208

Ganga Ma: Revered by millions, polluted by all
Laren Lamb
Oral Presentation
2:30 – 2:50 • CMU 214

NAFTA: Negative effects on Mexico “The positive and negative effects that NAFTA has had on Mexico”.
Chase Walseth
Oral Presentation
2:00 – 2:20 • CMU 214

Mathematics

Conic Sections in the Taxicab Plane
Alyssa Day, Rachel Thysell
Oral Presentation
10:30 – 10:50 • CMU 207

Generating functions, and their relationship to convergent sequences.
Christopher Mehl
Oral Presentation
9:50 – 10:10 • CMU 207
Geometric Constructions Using a Straightedge and a Compass
Madison Brantner, Melissa Montbriand
Oral Presentation
10:10 – 10:30 • CMU 207

k – Gibonacci Numbers and Permutation Statistics
Jonathan Rue
Oral Presentation
3:10 – 3:50 • CMU 207

Mass Communications

The Internet and Pedophiles: Are Your Children at Risk?
Taunia Tiegs-Marquardt
Oral Presentation
2:50 – 3:10 • CMU 227

Marketing

Marketing Electric Bikes in Canada: An overview of the Canadian Market
Grant Hagen
Oral Presentation
3:10 – 3:40 • CMU 227

Music

Behind the Sound: An Inside Look at Live Audio Production
David Kolar
Oral Presentation
3:10 – 3:20 • LO 0108

Duke Ellington: A True Innovator
Jordan Christianson
Oral Presentation
1:40 – 2:00 • LO 0108

Fa – So – La: The American Musical Tradition of Sacred Harp
Sarah Libby
Oral Presentation
9:30 – 9:50 • LO 0108

Form to Form: Music and Art in the Baroque
Cory Sailer
Oral Presentation
1:00 – 1:20 • LO 0108

John Coltrane’s quest for a freedom
Yuki Harada
Oral Presentation
1:20 – 1:40 • LO 0108

Make a Jazz Noise Here: The Music of Frank Zappa
Scott Kendall
Oral Presentation
10:30 – 10:50 • LO 0108

Modern Jazz Bass: Improvisational styles on the double bass
Maxfield Johnk
Oral Presentation
10:10 – 10:30 • LO 0108

Music on the Brain
James Sandifer
Oral Presentation
2:00 – 2:20 • LO 0108

The New Performer Modern performance in classical music
Eric Guttormson
Oral Presentation
2:30 – 2:50 • LO 0108

Times and locations may have changed since the publication of this document. Please click on the Dragon logo at the bottom of the page to go to the Student Academic Conference website for the most up-to-date information.
Wagner’s Mythology
Christopher Tollefson
Oral Presentation
9:50 – 10:10 • LO 0108

What’s that Noise?
Aaron Thuen
Oral Presentation
2:50 – 3:10 • LO 0108

Nursing

A Transcultural Nursing Experience in Nicaragua
Piper DeLaPointe, Heather Erickson
Poster/Display 91
9:30 – 10:10 • CMU Basement Hallway

Autonomic Dysreflexia: A life threatening medical condition
Sanjog Dhungana, Sachin Bhandari
Poster/Display 92
9:30 – 10:10 • CMU Basement Hallway

Cardiovascular Disease
Jenna Winter
Poster/Display 106
9:30 – 10:10 • CMU Main Lounge

Care of a Cancer Patient with Pain
Amanda Volrath
Poster/Display 111
9:30 – 10:10 • CMU 2nd Floor Hallway

Caring for Patients in a Transcultural Nursing Setting
Jacquelyn Munson, Lordes Garcia
Poster/Display 99
9:30 – 10:10 • CMU 2nd Floor Hallway

Caring for the Aging Population in a Rural Community: A Nursing Perspective
Kaley Fisk
Poster/Display 107
9:30 – 10:10 • CMU 2nd Floor Hallway

Case study: Antipsychotic Medication Induced Parkinsonism
Arkady Millard
Poster/Display 103
9:30 – 10:10 • CMU 2nd Floor Hallway

Common Causes and Treatment for Chest Pain
Rachel Carry
Poster/Display 102
9:30 – 10:10 • CMU 2nd Floor Hallway

Community Acquired Methicillin Resistant Staphylococcus areus.
Aron Ellingson
Poster/Display 97
9:30 – 10:10 • CMU 2nd Floor Hallway

Evidence Based Practice in the Management of Acute Alcohol Detoxification
Courtney Covey
Poster/Display 104
10:10AM – 10:50AM • CMU Main Lounge

Health Literacy and Oncology Patient Education
Ashley Schmidt
Poster/Display 95
10:10AM – 10:50AM • CMU 2nd Floor Hallway

Labor and Delivery Nursing: A Student’s Perspective
Carmen Parsley
Poster/Display 112
1:00PM – 1:40PM • CMU Basement Hallway
Medical – Surgical Nursing
Molly Moenkendick
Poster/Display 105
1:00PM – 1:40PM • CMU 2nd Floor Hallway

Nursing Around the World: One Student’s Experience in Guatemala
Alena Deutschlander, Heidi Banick
Poster/Display 98
1:00PM – 1:40PM • CMU 2nd Floor Hallway

Nursing Care After A Coronary Artery Bypass Graft: Preventing Complications
Aimee Laurencelle
Poster/Display 108
1:00PM – 1:40PM • CMU 2nd Floor Hallway

Obstetric Nursing
Lindsey Imdieke
Poster/Display 109
1:40PM – 2:20PM • CMU Basement Hallway

Prevent Deep Vein Thrombosis on a Medical/Surgical Floor
Alicia Saue
Poster/Display 110
1:40PM – 2:20PM • CMU Basement Hallway

Preventing Post – Surgical Complications
Courtney Conyers
Poster/Display 101
1:40PM – 2:20PM • CMU Main Lounge

Public Health Nursing in Guatemala
Lourdes Garcia
Poster/Display 100
1:40PM – 2:20PM • CMU Main Lounge

The effect of prone positioning in patients with Acute Respiratory Distress Syndrome (ARDS).
Molly Breen
Poster/Display 113
2:30PM – 3:10PM • CMU Main Lounge

Transcultural Nursing in Guatemala
Lindsay Krabbenhoft, Shelby Doris Rossow
Poster/Display 93
3:30PM – 4:10PM • CMU Main Lounge

Transcultural Nursing in Guatemala
Shelby Rossow, Lindsay Margaret Krabbenhoft
Poster/Display 94
3:30PM – 4:10PM • CMU Main Lounge

Susan Ross
Poster/Display 96
3:30PM – 4:10PM • CMU Main Lounge

Women’s health – human papillomavirus
Tonia Lofgren
Poster/Display 114
3:30PM – 4:10PM • CMU 2nd Floor Hallway

Philosophy

A Critical Analysis of Descartes’ Claim that ‘Animals are Machines’
Adam Hasbargen
Oral Presentation
9:50 – 10:10 • CMU 216

Introducing Tibet
Sonam Dekyi
Oral Presentation
9:30 – 9:50 • CMU 216
Physics

Detecting How Isotope Decay Affects PET/CT Imaging
Kristin Brevik
Oral Presentation
10:30 – 10:50 • CMU 216

Modulated Signal Transfer
Benjamin Forsythe
Oral Presentation
1:00 – 1:20 • CMU 216

Utilizing Microsoft Kinect Controller for Affordable Robotic Navigation
Steven Ruckdashel
Oral Presentation
10:10 – 10:30 • CMU 216

Bragg Scattering and Atomic Force Microscopy
Victoria Honetschlager, Pragalv Karki, Wesley Teo
Poster/Display 116
9:30 – 10:10 • CMU Main Lounge

Constructing a Walker Robot
Murshid Saqlain
Poster/Display 120
10:10AM – 10:50AM • CMU Basement Hallway

Gaussian Accelerator
Wesley Teo
Poster/Display 115
10:10AM – 10:50AM • CMU 2nd Floor Hallway

Magnetic Moment
Alycia Bergeson, DJ Houk, Nicholas Weir
Poster/Display 118
1:00PM – 1:40PM • CMU Main Lounge

Magnetic Susceptibility and the Superconducting Transition
Christopher Moore
Poster/Display 117
1:00PM – 1:40PM • CMU Main Lounge

Nuclear Magnetic Resonance
Christopher Moore
Poster/Display 121
1:00PM – 1:40PM • CMU 2nd Floor Hallway

Recursive Ambiophonic Crosstalk Elimination
Nicholas Weir
Poster/Display 122
1:40PM – 2:20PM • CMU Main Lounge

X-ray spectroscopy
Dillon, Ishan Mani Subedi
Poster/Display 119
3:30PM – 4:10PM • CMU 2nd Floor Hallway

Political Science

Human Security and Societal Security Concerns in Post – Taliban Afghanistan
James Sieben
Oral Presentation
1:00 – 1:20 • CMU 207
Millennium Development Goals & Their Impact in Contemporary Africa: Healing the Heart of Darkness, or skirting it?
Kyle Evens
Oral Presentation
1:20 – 1:40 • CMU 207

The Internet and International Security
Nathan Mack
Oral Presentation
1:40 – 2:00 • CMU 207

The responsibility to protect as an emerging norm of international law
Christopher Kettering
Oral Presentation
2:30 – 2:50 • CMU 207

Tribal Governments and the Effects of the U.S. Political System
Sarah Butrum
Oral Presentation
2:50 – 3:10 • CMU 207

The IMF and the Third World
Dustin Sobolik
Poster/Display 123
2:30PM – 3:10PM • CMU Main Lounge

Artistic Quality by Beauty and Interestingness
Derek Page
Poster/Display 132
9:30 – 10:10 • CMU Basement Hallway

Artistic Quality by Complexity and Type of Emotion.
Grant Cameron
Poster/Display 131
9:30 – 10:10 • CMU Basement Hallway

“How Getting to Know You: Differing Perceptions of Online verses Face – to – face Self – Disclosures and Satisfaction in College Females”
Lexi Heringer
Poster/Display 130
10:10AM – 10:50AM • CMU 2nd Floor Hallway

How you Read to Kids Matters: Efficacy of Specific Techniques in Repeated Read Alouds
Christine Hollermann, Lyndsey Roy, Katie Engberg
Poster/Display 128
1:00PM – 1:40PM • CMU Basement Hallway

Liking and Eroticism in Evaluations of the Visual Arts
Dylan O’Brien
Poster/Display 133
1:00PM – 1:40PM • CMU Basement Hallway

Media’s Influence on Body Image: An Eye Tracking Study
Jennifer Livingood, Jacquelyn Schmidt
Poster/Display 126
1:00PM – 1:40PM • CMU Main Lounge

Music’s Effect on Helping Behavior in Second Life
Ethan Dahl, Casey Lloyd
Poster/Display 124
1:00PM – 1:40PM • CMU 2nd Floor Hallway

Shared Sounds and Spellings Affect Explicit and Implicit Memory Tests
Farryn Helm, Carole Bracshayko
Poster/Display 125
1:40PM – 2:20PM • CMU Main Lounge

Psychology

Post High School Aspirations of American Indian Students
Andrea Stenson, Raina Heruth, Jered Pigeon
Oral Presentation
1:20 – 1:50 • CMU 216

Artistic Quality by Beauty and Interestingness
Derek Page
Poster/Display 132
9:30 – 10:10 • CMU Basement Hallway
Should I Stay or Should I go?: Positive Illusions, Jealousy, and Commitment in Romantic Relationships
Lisa Dowers
Poster/Display 129
1:40PM – 2:20PM • CMU 2nd Floor Hallway

Social Referencing During Inauthentic Emotional Situations
Jennifer Wenner, Allyson Schann, Natalie Avey
Poster/Display 127
1:40PM – 2:20PM • CMU 2nd Floor Hallway

The Future of Time Perspective
Dylan O’Brien
Poster/Display 134
2:30PM – 3:10PM • CMU Main Lounge

The Spanish Immersion Classroom and Beyond: An Investigation of Vocabulary Discrepancies
Jessica Remhof
Poster/Display 136
2:30PM – 3:10PM • CMU 2nd Floor Hallway

Virtual Sexual Aggression: The Real Life Correlates of BDSM and Rape Simulations in Second Life
Kelsey Johnson
Poster/Display 135
3:30PM – 4:10PM • CMU Main Lounge

Speech, Language & Hearing Science

Cochlear Implants
Chelsea McCartney
Poster/Display 137
9:30 – 10:10 • CMU 2nd Floor Hallway

Music – Induced Hearing Loss and the Collegiate Musician
Maria Lendobeja
Poster/Display 138
1:00PM – 1:40PM • CMU 2nd Floor Hallway

Sociology

Importance of Education and Health
Brian Kariuki
Oral Presentation
10:30 – 10:50 • CMU 208

It’s Like A Stoner’s Paradise Man
Jennifer Harzke, Lauren Wold
Oral Presentation
1:20 – 1:40 • CMU 208

Relationship of man – made chemicals and human health
Neville Lambourne
Poster/Display
1:00 – 1:40 • CMU 2nd Floor Hallway

The Higher Immorality: An In–Depth Socio–Historical Analysis of Journalism in the United States.
Suzanne Al – Kayali
Oral Presentation
9:30 – 9:50 • CMU 208

The Over Diagnosis of ADHD
Sky Purdin
Oral Presentation
9:50 – 10:10 • CMU 208

The Relationships between Income and Health Insurance
Dustin Beachem
Oral Presentation
10:10 – 10:30 • CMU 208
Does medical school cause health issues from stress and anxiety during the course of their schooling?
Brittany Harris, Ronak Habib
Poster/Display 140
10:10AM – 10:50AM • CMU Basement Hallway

Does the amount of how much or how little sleep you get affect your health and overall health, more so for woman or men?
Kayla Abele
Poster/Display 144
10:10AM – 10:50AM • CMU Basement Hallway

Domestic Violence and Health
Rachel Johnson
Poster/Display 150
10:10AM – 10:50AM • CMU Basement Hallway

Educational Levels Adverse Affect on Health
Chiranthana Dissanayake, Jordyn Wallenborn
Poster/Display 152
10:10AM – 10:50AM • CMU Basement Hallway

Effects of long – term unemployment on nutrition and health.
Chris Engelhorn
Poster/Display 155
10:10AM – 10:50AM • CMU Basement Hallway

Government Nutritional Programs: Success of Failure?
Glen Marshall
Poster/Display 148
10:10AM – 10:50AM • CMU 2nd Floor Hallway

Happiness for a sound mind
Arati Gurung
Poster/Display 147
10:10AM – 10:50AM • CMU 2nd Floor Hallway

Health Among the Homeless
Karryn Schwab
Poster/Display 143
10:10AM – 10:50AM • CMU 2nd Floor Hallway

Heath Insurance Coverage and Overall Health
Wendy LeBrun
Poster/Display 151
10:10AM – 10:50AM • CMU 2nd Floor Hallway

How does religion, alcohol consumption, and socioeconomic status, affect the overall health of older adults?
Rebecca Scott
Poster/Display 156
10:10AM – 10:50AM • CMU 2nd Floor Hallway

How the Belief Involving Prozac Affects Health
Chelsea Schmaltz
Poster/Display 154
10:10AM – 10:50AM • CMU 2nd Floor Hallway

Television’s Impact on Health
Kristen Bongard, Erin Durken
Poster/Display 142
2:30PM – 3:10PM • CMU Main Lounge

The Effect of Internet Use on Health
Briana Magrum
Poster/Display 149
2:30PM – 3:10PM • CMU Main Lounge

The Influence of Alcohol Use on Health
Jenna Peper
Poster/Display 145
2:30PM – 3:10PM • CMU Main Lounge

The Relationship Between Poverty, Social Class, and Overall Health
Amy Thorson, Shannon Grossman
Poster/Display 139
2:30PM – 3:10PM • CMU Main Lounge

The Relationship between the number of hours of Television watched and one’s Health
Kristen Bongard, Erin Durken
Poster/Display 141
2:30PM – 3:10PM • CMU Main Lounge
The Relationship with Smoking and your Health
Cynthia Marier
Poster/Display 146
2:30PM – 3:10PM • CMU 2nd Floor Hallway

Water contamination and health
Samuel Getty
Poster/Display 153
3:30PM – 4:10PM • CMU Main Lounge

Los Pazos de Ulloa and the Naturalism Movement in Spain
Kelsey Indergaard
Oral Presentation
1:50 – 2:10 • CMU 216

Theatre Arts

Fundamentals of Play Directing
Alexander Holmquist
Oral Presentation
2:30 – 2:50 • Ballroom D

Shakespeare’s The Merry Wives of Windsor: Adapting Shakespeare for Contemporary Audiences
Maggie Olson
Oral Presentation
2:10 – 2:30 • CMU 216

STOP KISS
Carl Rottman, John Varvin, Cheyne King, Ryan Soukup, Cortney Schmidkunz, Kimberly Miller, Sarah Chamma, Heidi Riffle, Meagan Kedrowski, Carielle Henry, Amber Bracken, Parker Shook, Cheyne King, Dustin Beck, Kelly Nelson
Performance
9:30 – 11:30 • Glasrud Auditorium in Weld Hall
NOTE: Performance may run over 90 minutes

The Musical of Musicals
Tariq Muwahid, Klarissa Pudwill, Tierney Michon, Sarah Dewhirst, Nicholas Kaspari, Matthew Englund, Caroline Stommes, Nikko Raymo, Holli Richgels, Chandler Cline, James Stenger, Sara Hysjulien, Heidi Riffle, Meagan Kedrowski, William Schnase, Dustin Beck
Performance and Talkback
2:30–4:40 • Gaede Theatre

IF YOU GIVE A MOUSE A COOKIE
John Vavrin, Cheyne King, Ryan Soukup, Cortney Schmidkunz, Erin Granger
1:00–1:45 • Glasrud Auditorium in Weld Hall
Aarness, Janet  
*Honors Apprentices: Service and Challenge*  
**HON—Honors**  
Oral Presentation  
2:30 - 2:50 • CMU 227

Abele, Kayla  
*Does the amount of how much or how little sleep you get affect your health and overall health, more so for woman or men?*  
**SOC—Sociology**  
Poster/Display #144  
10:10–10:50 • CMU Basement Hallway

Adhikari, Anup  
*Supercross Track*  
**CM—Construction Management**  
Poster/Display #71  
1:40–2:20 • CMU 2nd Floor Hallway

Aitken, Athena  
*Hands-on cultural learning; the story of a birch bark lodge*  
**ANTH—Anthropology**  
Poster/Display #8  
10:10–10:50 • CMU 2nd Floor Hallway

Aleem, Sara  
*In Silico Analysis and Molecular Dissection of the PPDK:PDRP Interaction*  
**BIOL—Biology**  
Poster/Display #28  
1:00–1:40 • CMU Basement Hallway

Al-Kayali, Suzanne  
*The Higher Immorality: An In-Depth Socio-Historical Analysis of Journalism in the United States.*  
**SOC—Sociology**  
Oral Presentation  
9:30–9:50 • CMU 208

Alsum, Ashley  
*“The Unseen”*  
**FILM—Film Studies**  
Oral Presentation  
1:00 - 1:20 • LO 0102

Alvar, Heather  
*Film 472 Advanced Video Production Client Videos*  
**FILM—Film Studies**  
Oral Presentation  
2:30–3:30 • LO 0101

Anderson, Jordana  
*Nickel Partitioning*  
**GEOS—Geoscience**  
Poster/Display #77  
1:00–1:40 • CMU 2nd Floor Hallway

Anderson, Kristina  
**CHEM—Chemistry**  
Oral Presentation  
1:20–1:40 • Ballroom D

Anderson, Kristina  
**CHEM—Chemistry**  
Poster/Display #161  
9:30 - 10:10 • CMU Basement Hallway

Arneson, Nathaniel Jacob  
*Exploration of the relationship between the Cassava plant to the Taino people of the Greater Antilles.*  
**BIOL—Biology**  
Poster/Display #27  
10:10–10:50 • CMU Main Lounge

Ato-Davies, Aaron  
*Increased Sales in the Fourth Quarter: How Wal-Mart’s Sales Impact the Retail Industry*  
**ECON—Economics**  
Oral Presentation  
2:50–3:10 • Ballroom A
Conference Participants Listed Alphabetically by Last Name

Avey, Natalie
Social Referencing During Inauthentic Emotional Situations
PSY—Psychology
Poster/Display #127
1:40–2:20 • CMU 2nd Floor Hallway

Balzer, Jesse
Redecorating Film Adaptation: Problems and Possibilities
FILM—Film Studies
Oral Presentation
1:40 - 2:00 • LO 0102

Banick, Heidi
Nursing Around the World: One Student’s Experience in Guatemala
NURS—Nursing
Poster/Display #98
1:00–1:40 • CMU 2nd Floor Hallway

Banla, Ismael
Synthesis of a new Cyanoborane polymer with a trigonal planar boron.
CHEM—Chemistry
Poster/Display #56
1:40–2:20 • CMU 2nd Floor Hallway

Banla, Ismael
High-yield synthesis of the semicarbazide adduct of cyanoborane
CHEM—Chemistry
Poster/Display #55
10:10–10:50 • CMU 2nd Floor Hallway

Basnet, Sanju
Childhood Obesity
HLTH—Health
Poster/Display #83
9:30–10:10 • CMU 2nd Floor Hallway

Baysinger, Katie
Investigations of biochemical and molecular mechanisms of systemic acquired resistance in Cucumis sativus
BIOL—Biology
Poster/Display #30
1:00–1:40 • CMU Basement Hallway

Baysinger, Katie
The Relationships between Income and Health Insurance
SOC—Sociology
Oral Presentation
10:10–10:30 • CMU 208

Beck, Jase
Farming Techniques in Costa Rica vs. United States
BIOL—Biology
Oral Presentation
2:30–2:50 • CMU 205

Beck, Dustin
STOP KISS
THTR—Theatre Arts
Theatre Performance
9:30–11:30 • Glasrud Auditorium in Weld Hall
NOTE: Performance may run over 90 minutes

Beck, Dustin
The Musical of Musicals
THTR—Theatre Arts
Performance and Talkback
2:30–4:30 • Gaede Theatre

Beers, Brittany
The affects of exotic earthworms on Big Bluestem, Andropogon gerardii, prairie plants
BIOL—Biology
Poster/Display #36
2:30–3:10 • CMU Main Lounge

Belavina, Natalia
Investigations of biochemical and molecular mechanisms of systemic acquired resistance in Cucumis sativus
BIOL—Biology
Poster/Display #30
1:00–1:40 • CMU Basement Hallway

Belden, Jessica
Stabilization of Carbon Emissions
HON—Honors
Poster/Display #87
1:40–2:20 • CMU 2nd Floor Hallway

Belden, Jessy
Honors Apprentices: Service and Challenge
HON—Honors
Oral Presentation
2:30–2:50 • CMU 227
Bell, John  
*Noodles And Company*  
CM—Construction Management  
Poster/Display #72  
1:00–1:40 • CMU 2nd Floor Hallway

Berger, Allison  
*Living Learning Communities and retention rate.*  
CMST—Communication Studies  
Oral Presentation  
2:00–2:20 • CMU 227

Bergeson, Alycia  
*Magnetic Moment*  
PHYS—Physics  
Poster/Display #118  
1:00–1:40 • CMU Main Lounge

Bergeson, Nathan  
*The Extra-Awesome Adventures of Extraman and Extragirl*  
FILM—Film Studies  
Oral Presentation  
2:00–2:20 • LO 0102

Berthelsen, Nicholas  
*Measuring NHE activity with fluorescence microscopy.*  
CHEM—Chemistry  
Poster/Display #67  
1:00–1:40 • CMU Main Lounge

Bhandari, Sachin  
*Autonomic Dysreflexia: A life threatening medical condition*  
NURS—Nursing  
Poster/Display #92  
9:30–10:10 • CMU Basement Hallway

Blake, Kyle  
*Toward a Sustainable Textbook Future - The Free, Open, and Digital Revolution*  
ECON—Economics  
Oral Presentation  
9:30–9:50 • Ballrom A

Boatsey, Daisy  
*Lyme Disease Prevalence in South-Eastern North Dakota*  
BIOL—Biology  
Poster/Display #43  
1:00–1:40 • CMU Basement Hallway

Boecker, Tiffany  
*How to Make and Use a Pin Hole Camera*  
ART—Art and Design  
Table Display #12  
10:10–10:50 • CMU 2nd Floor Hallway

Bomstad, Derek  
*Capstone Experience- BDM Constructors*  
CM—Construction Management  
Poster/Display #70  
9:30–10:10 • CMU Main Lounge

Bongard, Kristen  
*Colon Cancer*  
HLTH—Health  
Oral Presentation  
1:00–1:20 • CMU 214

Bongard, Kristen  
*Television’s Impact on Health*  
SOC—Sociology  
Poster/Display #142  
2:30–3:10 • CMU Main Lounge

Bongard, Kristen  
*The Relationship between the number of hours of Television watched and one’s Health*  
SOC—Sociology  
Poster/Display #141  
2:30–3:10 • CMU Main Lounge

Borgh, Addie  
*Just Do It: Nike’s Takeover of Sports Design and Marketing*  
ART—Art and Design  
Oral Presentation  
1:00–2:20 • CMU 203

Borgen, James  
*Living Learning Communities and retention rate.*  
CMST—Communication Studies  
Oral Presentation  
2:00–2:20 • CMU 227
Bottrell, Joseph  
In-Kind Transfers of Payment  
ECON—Economics  
Oral Presentation  
10:30–10:50 • Ballrom B

Bowman, Tiara  
Preterm Births in the Scope of Epidemiology  
HLTH—Health  
Oral Presentation  
10:10–10:30 • CMU 214

Bracken, Amber  
STOP KISS  
THTR—Theatre Arts  
Theatre Performance  
9:30–11:30 • Glasrud Auditorium in Weld Hall  
NOTE: Performance may run over 90 minutes

Bracshayko, Carole  
Shared Sounds and Spellings Affect Explicit and Implicit Memory Tests  
PSY—Psychology  
Poster/Display #125  
1:40–2:20 • CMU Main Lounge

Brammer, Adam  
CM496 Downtown Moorhead Project  
CM—Construction Management  
Poster/Display #68  
9:30–10:10 • CMU 2nd Floor Hallway

Branch, Michelle  
Copper(II) Complexes of Pyridine-2,6-bisamide Ligands  
CHEM—Chemistry  
Poster/Display #54  
10:10–10:50 • CMU Basement Hallway

Brandenburger, Amber  
Vocal Cord Disorder: The Mistaken Wheeze  
AT—Athletic Training  
Poster/Display #20  
3:30–4:10 • CMU Main Lounge

Bransttiter, Eugene  
The Specter of Intervention: British Foreign Policy Pertaining to the American Civil War  
HIST—History  
Oral Presentation  
3:30–3:50 • LO 0101

Brantner, Madison  
Geometric Constructions Using a Straightedge and a Compass  
MATH—Mathematics  
Oral Presentation  
10:10–10:30 • CMU 207

Breen, Molly  
The effect of prone positioning in patients with Acute Respiratory Distress Syndrome (ARDS).  
NURS—Nursing  
Poster/Display #113  
2:30–3:10 • CMU Main Lounge

Brevik, Kristin  
Detecting How Isotope Decay Affects PET/CT Imaging  
PHYS—Physics  
Oral Presentation  
10:30–10:50 • CMU 216

Brokmeier, Nicole D.  
A Decade of Painted Turtle Ecology in Clay County, Minnesota What Have We Learned?  
BIOL—Biology  
Poster/Display #35  
9:30–10:10 • CMU Basement Hallway

Bronczyk, Corey  
Construction Management Capstone Experience - Multi-unit housing development  
CM—Construction Management  
Oral Presentation  
3:30–3:50 • CMU 207

Brownell, Shane  
Hideyoshi Toyotomi - Policy and Politics in the Warring States period.  
HIST—History  
Oral Presentation  
10:10–10:30 • LO 0104

Buhr, Samantha  
Nickel Partitioning  
GEOS—Geoscience  
Poster/Display #77  
1:00–1:40 • CMU 2nd Floor Hallway
Bullock, Kiesha
Conjugate Addition of Malononitrile to Unsaturated Carbonyls
CHEM—Chemistry
Poster/Display #59
9:30–10:10 • CMU 2nd Floor Hallway

Burke, Traci
Fashion Through The Lens
ART—Art and Design
Oral Presentation
9:50–10:10 • CMU 203

Burris, Lewis
Earth Art of the 1960s and 70s
ART—Art and Design
Oral Presentation
1:00–2:20 • CMU 203

Butrum, Sarah
Tribal Governments and the Effects of the U.S. Political System
POL—Political Science
Oral Presentation
2:50–3:10 • CMU 207

Bye, David
Does Piagetian Cognitive Ability Level Affect Student Ability To Accurately Perceive And Interpret Environmental Threats?
CHEM—Chemistry
Oral Presentation
9:30–9:50 • CMU 207

Cain, Kelsey
Early Photographic Process: Van Dyke Brown.
ART—Art and Design
Poster/Display #15
10:10–10:50 • CMU Basement Hallway

Cameron, Grant
Artistic Quality by Complexity and Type of Emotion.
PSY—Psychology
Poster/Display #131
9:30–10:10 • CMU Basement Hallway

Carry, Rachel
Common Causes and Treatment for Chest Pain
NURS—Nursing
Poster/Display #102
9:30–10:10 • CMU 2nd Floor Hallway

Carson, Tyler
Transition from Childhood to Adulthood for Autistic Individuals
HLTH—Health
Oral Presentation
1:40–2:00 • CMU 214

Casey, Margaret
There is More to Panama than the Panama Canal
GEOS—Geoscience
Poster/Display #78
2:30–3:10 • CMU 2nd Floor Hallway

Castonguay, Ashley
Designer Babies
CCGE—Corrick Center for General Education
Debate
2:50–3:20 • CMU 205

Chamma, Sarah
STOP KISS
THTR—Theatre Arts
Theatre Performance
9:30–11:30 • Glasrud Auditorium in Weld Hall
NOTE: Performance may run over 90 minutes

Chaulagain, Kabina
HLTH—Health
Poster/Display #81
1:40–2:20 • CMU 2nd Floor Hallway

Chitemere, Ruvimbo
A Novel Method to Generate IR Spectra of Solutes in Solution State
CHEM—Chemistry
Poster/Display #53
9:30–10:10 • CMU Basement Hallway

Christenson, Jacob
The Direction of Interactive Design
ART—Art and Design
Oral Presentation
1:00–2:20 • CMU 203
Christenson, Jacob  
*Graphic Design and the proper way to layout a poster*  
ART—Art and Design  
Poster/Display #13  
10:10–10:50 • CMU 2nd Floor Hallway

Christianson, Jordan  
*Duke Ellington: A True Innovator*  
MUS—Music  
Oral Presentation  
1:40–2:00 • LO 0108

Clawson, Jenna  
*Fort “Desolation” ND: Mortuary Analysis and Culture*  
ANTH—Anthropology  
Poster/Display #5  
10:10–10:50 • CMU Main Lounge

Cline, Chandler  
*The Musical of Musicals*  
THTR—Theatre Arts  
Performance and Talkback  
2:30–4:30 • Gaede Theatre

Clow, Ivan  
*The Years- An Exploration of Feminist Film*  
FILM—Film Studies  
Oral Presentation  
1:20–2:00 • LO 0101

Collins, Nicholas  
*Analyzing a Synecdoche*  
FILM—Film Studies  
Poster/Display #76  
9:30–10:10 • CMU Basement Hallway

Conaty, Kristen  
*The Years- An Exploration of Feminist Film*  
FILM—Film Studies  
Oral Presentation  
1:20–2:00 • LO 0101

Conyers, Courtney  
*Preventing Post-Surgical Complications*  
NURS—Nursing  
Poster/Display #101  
1:40–2:20 • CMU Main Lounge

Cork, Kathrine  
*Volunteering: All Paws Down*  
CMST—Communication Studies  
Oral Presentation  
1:00–1:20 • CMU 227

Covey, Courtney  
*Evidence Based Practice in the Management of Acute Alcohol Detoxification*  
NURS—Nursing  
Poster/Display #104  
10:10–10:50 • CMU Main Lounge

Dahl, Ethan  
*Music’s Effect on Helping Behavior in Second Life*  
PSY—Psychology  
Poster/Display #124  
1:00–1:40 • CMU 2nd Floor Hallway

Dahlen, Tony  
*Discovering Bangladesh: Halfway Around The World*  
CMST—Communication Studies  
Oral Presentation  
9:30–9:50 • CMU 227

Dahlquist, Julian  
*The Unknown Work of Vivian Maier*  
ART—Art and Design  
Poster/Display #16  
2:30–3:10 • CMU 2nd Floor Hallway

David, Jacinta  
*Farming Techniques in Costa Rica vs. United States*  
BIOL—Biology  
Oral Presentation  
2:30–2:50 • CMU 205

Day, Ashleigh  
*EM Survey at Historic Moorhead Site*  
ANTH—Anthropology  
Poster/Display #6  
10:10–10:50 • CMU Basement Hallway
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<th>Department</th>
<th>Type</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>Day, Alyssa</td>
<td>Conic Sections in the Taxicab Plane</td>
<td>MATH</td>
<td>Oral Presentation</td>
<td>10:30–10:50</td>
<td>CMU 207</td>
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<tr>
<td>Dekyi, Sonam</td>
<td>Introducing Tibet</td>
<td>PHIL</td>
<td>Oral Presentation</td>
<td>9:30–9:50</td>
<td>CMU 216</td>
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<tr>
<td>DeLaPointe, Piper</td>
<td>A Transcultural Nursing Experience in Nicaragua</td>
<td>NURS</td>
<td>Poster/Display</td>
<td>9:30–10:10</td>
<td>CMU 2nd Floor Hallway</td>
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<tr>
<td>Demura, Hotaka</td>
<td>White Science Fiction of America</td>
<td>FILM</td>
<td>Poster/Display</td>
<td>9:30–10:10</td>
<td>CMU Basement Hallway</td>
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<tr>
<td>Dangi, Nabin</td>
<td>Childhood Obesity</td>
<td>HLTH</td>
<td>Poster/Display</td>
<td>9:30–10:10</td>
<td>CMU 2nd Floor Hallway</td>
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<tr>
<td>deOliveira, Fernanda</td>
<td>Comic Robots in Sci-Fi Films Or I Know What You Did Last Childhood</td>
<td>FILM</td>
<td>Oral Presentation</td>
<td>2:50–3:10</td>
<td>LO 0102</td>
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<tr>
<td>Deutschlander, Alena</td>
<td>Nursing Around the World: One Student’s Experience in Guatemala</td>
<td>NURS</td>
<td>Poster/Display</td>
<td>1:00–1:40</td>
<td>CMU 2nd Floor Hallway</td>
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<td>Devkota, Pragya</td>
<td>Anemia</td>
<td>HLTH</td>
<td>Poster/Display</td>
<td>9:30–10:10</td>
<td>CMU Basement Hallway</td>
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<tr>
<td>Dewhirst, Sarah</td>
<td>The Musical of Musicals</td>
<td>THTR</td>
<td>Performance and Talkback</td>
<td>2:30–4:30</td>
<td>Gaede Theatre</td>
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<tr>
<td>Dhungana, Sanjog</td>
<td>Autonomic Dysreflexia: A life threatening medical condition</td>
<td>NURS</td>
<td>Poster/Display</td>
<td>9:30–10:10</td>
<td>CMU Basement Hallway</td>
</tr>
<tr>
<td>Dissanayake, Chiranthana</td>
<td>Transition from Childhood to Adulthood for Autistic Individuals</td>
<td>HLTH</td>
<td>Oral Presentation</td>
<td>1:40–2:00</td>
<td>CMU 214</td>
</tr>
<tr>
<td>Dissanayake, Chiranthana</td>
<td>Educational Levels Adverse Affect on Health</td>
<td>SOC</td>
<td>Poster/Display</td>
<td>10:10–10:50</td>
<td>CMU Basement Hallway</td>
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<tr>
<td>Dornbusch, Andrew</td>
<td>The significance of the RSK and ROCK phosphorylation sites of NHE1 and their role in the regulation of cellular migration</td>
<td>BIOL</td>
<td>Poster/Display</td>
<td>2:30–3:10</td>
<td>CMU 2nd Floor Hallway</td>
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<tr>
<td>Dowers, Lisa</td>
<td>Should I Stay or Should I go?: Positive Illusions, Jealousy, and Commitment in Romantic Relationships</td>
<td>PSY</td>
<td>Poster/Display</td>
<td>1:40–2:20</td>
<td>CMU 2nd Floor Hallway</td>
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<tr>
<td>Downs, Dillon</td>
<td>Gaussian Accelerator</td>
<td>PHYS</td>
<td>Poster/Display</td>
<td>10:10–10:50</td>
<td>CMU 2nd Floor Hallway</td>
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</tbody>
</table>
Conference Participants Listed Alphabetically by Last Name

Downs, Dillon
X-ray spectroscopy
PHYS—Physics
Poster/Display #119
3:30–4:10 • CMU 2nd Floor Hallway

Dugger, Dana
Bacillus
BIOL—Biology
Poster/Display #47
9:30–10:10 • CMU Basement Hallway

Durken, Erin
Television’s Impact on Health
SOC—Sociology
Poster/Display #142
2:30–3:10 • CMU Main Lounge

Durken, Erin
The Relationship between the number of hours of Television watched and one’s Health
SOC—Sociology
Poster/Display #141
2:30–3:10 • CMU Main Lounge

Dusoruth, Vaneesha
Refugees, Opportunities, and Fargo: An Economic Relationship
ECON—Economics
Oral Presentation
1:40–2:00 • Ballrom A

Dybdal, Landon
HIV/AIDS: The silent threat to humanity.
HLTH—Health
Poster/Display #85
10:10–10:50 • CMU 2nd Floor Hallway

Eden, Robert
Determinants of the Price of Smartphones
ECON—Economics
Oral Presentation
10:30–10:50 • Ballrom A

Edgerton, Corinne
Role of Women in the Third Reich
HIST—History
Oral Presentation
1:40–2:00 • LO 0104

Ehrlich, Kimberly
The Undeclared Student: Exploration and Strategies
ENGL—English
Oral Presentation
2:50–3:10 • CMU 101

Eichhorn, Tara
Effect of order of stimulus presentation on releaser-induced recognition learning
BIOL—Biology
Oral Presentation
10:30–10:50 • CMU 205

Ellingson, Aron
Community Acquired Methicillin Resistant Staphylococcus aureus.
NURS—Nursing
Poster/Display #97
9:30–10:10 • CMU 2nd Floor Hallway

Engberg, Katie
How you Read to Kids Matters: Efficacy of Specific Techniques in Repeated Read Alouds
PSY—Psychology
Poster/Display #128
1:00–1:40 • CMU Basement Hallway

Engelhorn, Chris
Effects of long-term unemployment on nutrition and health.
SOC—Sociology
Poster/Display #155
10:10–10:50 • CMU Basement Hallway

Enger, Nick
Honors Apprentices: Service and Challenge
HON—Honors
Oral Presentation
2:30–2:50 • CMU 227
Englund, Matthew  
*The Musical of Musicals*  
THTR—Theatre Arts  
Performance and Talkback  
2:30–4:30 • Gaede Theatre

Erickson, Timothy  
*Nickel Partitioning*  
GEOS—Geoscience  
Poster/Display #77  
1:00–1:40 • CMU 2nd Floor Hallway

Erickson, Paige  
*There is More to Panama than the Panama Canal*  
GEOS—Geoscience  
Poster/Display #78  
2:30–3:10 • CMU 2nd Floor Hallway

Erickson, Anthony  
*CM496 Downtown Moorhead Project*  
CM—Construction Management  
Poster/Display #68  
9:30–10:10 • CMU 2nd Floor Hallway

Erickson, Heather  
*A Transcultural Nursing Experience in Nicaragua*  
NURS—Nursing  
Poster/Display #91  
9:30–10:10 • CMU Basement Hallway

Ertl, Grant  
*A Postmodern Pyramid: The Rhetoric in Radiohead’s Pyramid Song*  
CMST—Communication Studies  
Oral Presentation  
9:50–10:10 • CMU 227

Eslinger, Phillip  
*Noodles And Company*  
CM—Construction Management  
Poster/Display #72  
1:00–1:40 • CMU 2nd Floor Hallway

Evans, Kyle  
*Millennium Development Goals & Their Impact in Contemporary Africa: Healing the Heart of Darkness, or skirting it?*  
POL—Political Science  
Oral Presentation  
1:20–1:40 • CMU 207

Fay, Amanda  
*Does Piagetian Cognitive Ability Level Affect Student Ability To Accurately Perceive And Interpret Environmental Threats?*  
CHEM—Chemistry  
Oral Presentation  
9:30–9:50 • CMU 207

Filies, Justin  
*Sub-Zero Contractor’s Recreational Renovation*  
CM—Construction Management  
Poster/Display #69  
1:40–2:20 • CMU 2nd Floor Hallway

Fisk, Kaley  
*Caring for the Aging Population in a Rural Community: A Nursing Perspective*  
NURS—Nursing  
Poster/Display #107  
9:30–10:10 • CMU 2nd Floor Hallway

Fjeld, Jessica  
*Colon Cancer*  
HLTH—Health  
Oral Presentation  
1:00–1:20 • CMU 214

Flores, Scott  
*Stratigraphic significance of a fossiliferous shale in the lower part of the Raytown Limestone Member of the Iola Limestone (Upper Pennsylvanian) in eastern Kansas*  
GEOS—Geoscience  
Poster/Display #79  
1:40–2:20 • CMU 2nd Floor Hallway

Flores Gallardo, Pedro  
*Conjugate Additions to Unsaturated Carbonyls*  
CHEM—Chemistry  
Poster/Display #61  
10:10–10:50 • CMU Basement Hallway

Fohle, Emmanuel  
*Sickle Cell Anemia*  
HLTH—Health  
Oral Presentation  
1:20–1:40 • CMU 214
Fohle, Emmanuel
Preliminary genetic analysis of Lasioglossum (Dialictus) spp. (Hymenoptera: Apoidea) of western Minnesota tallgrass prairie.

BIOL—Biology
Poster/Display #26
1:40–2:20 • CMU Basement Hallway

Fokuo, Gifty
Synthesis and Characterization of a Dye-Sensitizer

CHEM—Chemistry
Poster/Display #52
1:40–2:20 • CMU 2nd Floor Hallway

Formanek, Sara
Disappointing Maternal Death Rates in the United States

HLTH—Health
Oral Presentation
9:50–10:10 • CMU 214

Forsythe, Benjamin
Modulated Signal Transfer

PHYS—Physics
Oral Presentation
1:00–1:20 • CMU 216

Fritel, Kim
Parental teaching by fish biparental

BIOL—Biology
Poster/Display #41
1:40–2:20 • CMU Basement Hallway

Fritel, Kim
Bi-Parental Teaching by Fish

BIOL—Biology
Poster/Display #39
1:40–2:20 • CMU Basement Hallway

Fritel, Kim
Parental teaching by fish biparental

BIOL—Biology
Poster/Display #39
1:40–2:20 • CMU Basement Hallway

Fritel, Kim
Bi-Parental Teaching by Fish

BIOL—Biology
Poster/Display #41
1:40–2:20 • CMU Basement Hallway

Funk, Kaitlyn
Copper(II) Complexes of Pyridine-2,6-bisamide Ligands

CHEM—Chemistry
Poster/Display #54
10:10–10:50 • CMU Basement Hallway

Gamelin, Vanessa
Petrichor Images: Vanessa Gamelin Photography

ART—Art and Design
Poster/Display #17
1:40–2:20 • CMU Basement Hallway

Garcia, Lourdes
Public Health Nursing in Guatemala

NURS—Nursing
Poster/Display #100
1:40–2:20 • CMU Main Lounge

Garcia, Lourdes
Caring for Patients in a Transcultural Nursing Setting

NURS—Nursing
Poster/Display #99
9:30–10:10 • CMU 2nd Floor Hallway

Gebreselassie, Etsehiwot
A Novel Method to Generate IR Spectra of Solutes in Solution State

CHEM—Chemistry
Poster/Display #53
9:30–10:10 • CMU Basement Hallway

Geissler, Erin
Investigations of biochemical and molecular mechanisms of systemic acquired resistance in Cucumis sativus

BIOL—Biology
Poster/Display #30
1:00–1:40 • CMU Basement Hallway

George, Thomas
“How to Prevent Internal Fraud”

ACCT—Accounting
Poster/Display #3
1:00–1:40 • CMU Basement Hallway
<table>
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<th>Type</th>
<th>Time</th>
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<tr>
<td>Getty, Samuel</td>
<td>Water contamination and health</td>
<td>SOC—Sociology</td>
<td>Poster/Display #153</td>
<td>3:30–4:10</td>
<td>CMU Main Lounge</td>
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<tr>
<td>Granger, Erin</td>
<td>IF YOU GIVE A MOUSE A COOKIE</td>
<td>THTR—Theatre Arts</td>
<td>Poster/Display #1</td>
<td>1:00–1:45</td>
<td>Glasrud Auditorium in Weld Hall</td>
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<td>Gray, Ariel</td>
<td>Does population carrying capacity in protists scale exponentially with temperature?</td>
<td>BIOL—Biology</td>
<td>Poster/Display #31</td>
<td>10:10–10:50</td>
<td>CMU Basement Hallway</td>
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<td>Grenz, Kristin</td>
<td>Transition from Childhood to Adulthood for Autistic Individuals</td>
<td>HLTH—Health</td>
<td>Oral Presentation</td>
<td>1:40–2:00</td>
<td>CMU 214</td>
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<td>Grossman, Shannon</td>
<td>The Relationship Between Poverty, Social Class, and Overall Health</td>
<td>SOC—Sociology</td>
<td>Poster/Display #139</td>
<td>2:30–3:10</td>
<td>CMU Main Lounge</td>
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<td>Gurung, Arati</td>
<td>Happiness for a sound mind</td>
<td>SOC—Sociology</td>
<td>Poster/Display #147</td>
<td>10:10–10:50</td>
<td>CMU 2nd Floor Hallway</td>
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<td>Gurung, Arati</td>
<td>Decreasing child mortality in Africa through malaria prevention.</td>
<td>HLTH—Health</td>
<td>Poster/Display #1</td>
<td>9:30–10:10</td>
<td>CMU Basement Hallway</td>
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<td>Gutierrez, Rubi</td>
<td>The Role of NHE1 Transmembrane Protein in Stress Fiber Formation</td>
<td>CHEM—Chemistry</td>
<td>Poster/Display #66</td>
<td>2:30–3:10</td>
<td>CMU 2nd Floor Hallway</td>
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<td>Habib, Ronak</td>
<td>Does medical school cause health issues from stress and anxiety during the course of their schooling?</td>
<td>SOC—Sociology</td>
<td>Poster/Display #140</td>
<td>10:10–10:50</td>
<td>CMU Basement Hallway</td>
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<td>Hagen, Grant</td>
<td>Marketing Electric Bikes in Canada: An overview of the Canadian Market</td>
<td>MKTG—Marketing</td>
<td>Oral Presentation</td>
<td>3:10–3:40</td>
<td>CMU 227</td>
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<td>Hajicek, Alexander</td>
<td>“How to Prevent Internal Fraud”</td>
<td>ACCT—Accounting</td>
<td>Poster/Display #3</td>
<td>1:00–1:40</td>
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<td>Ham, Kelly</td>
<td>Sub-Zero Contractor’s Recreational Renovation</td>
<td>CM—Construction Management</td>
<td>Poster/Display #69</td>
<td>1:40–2:20</td>
<td>CMU 2nd Floor Hallway</td>
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Hamness, Katie
Graphic Design and the proper way to layout a poster
ART—Art and Design
Poster/Display #13
10:10–10:50 • CMU 2nd Floor Hallway

Hansen, Katelin
Volunteering: All Paws Down
CMST—Communication Studies
Oral Presentation
1:00–1:20 • CMU 227

Harada, Yuki
John Coltrane’s quest for a freedom
MUS—Music
Oral Presentation
1:20–1:40 • LO 0108

Harris, Brittany
Does medical school cause health issues from stress and anxiety during the course of their schooling?
SOC—Sociology
Poster/Display #140
10:10–10:50 • CMU Basement Hallway

Harris, Larissa
Fort “Desolation” ND: Mortuary Analysis and Culture
ANTH—Anthropology
Poster/Display #5
10:10–10:50 • CMU Main Lounge

Harris, Brooke
Methicillin-Resistant Staphylococcus Aureus in the Fargo-Moorhead Region
HLTH—Health
Oral Presentation
9:30–9:50 • CMU 214

Harris, Brittany
Decreasing child mortality in Africa through malaria prevention.
HLTH—Health
Poster/Display #1
9:30–10:10 • CMU Basement Hallway

Hasbargen, Adam
A Critical Analysis of Descartes’ Claim that ‘Animals are Machines’
PHIL—Philosophy
Oral Presentation
9:50–10:10 • CMU 216

Hass, Kody
Childhood Obesity
HLTH—Health
Poster/Display #83
9:30–10:10 • CMU 2nd Floor Hallway

Hauer, Feba
A Test For Phenotypic Plasticity in the Ontogeny of Two Species of Cichlids
BIOL—Biology
Poster/Display #40
9:30–10:10 • CMU Basement Hallway

Helfrich, Carly
Obesity in the United States
HLTH—Health
Poster/Display #82
1:40–2:20 • CMU Basement Hallway

Helm, Farryn
Shared Sounds and Spellings Affect Explicit and Implicit Memory Tests
PSY—Psychology
Poster/Display #125
1:40–2:20 • CMU Main Lounge

Henry, Carielle
STOP KISS
THTR—Theatre Arts
Theatre Performance
9:30–11:30 • Glasrud Auditorium in Weld Hall
NOTE: Performance may run over 90 minutes

Heringer, Lexi
Getting to Know You: Differing Perceptions of Online verses Face-to-face Self-Disclosures and Satisfaction in College Females
PSY—Psychology
Poster/Display #130
10:10–10:50 • CMU 2nd Floor Hallway
Herold, Logan  
“Where is the Duende?: An Approach to Understanding Poetry for All Readers  
ENGL—English  
Oral Presentation  
2:00–2:20 • CMU 101

Heruth, Raina  
Post High School Aspirations of American Indian Students  
PSY—Psychology  
Oral Presentation  
1:20–1:50 • CMU 216

Hettich, Jeanne  
Living Learning Communities and retention rate.  
CMST—Communication Studies  
Oral Presentation  
2:00–2:20 • CMU 227

Heuer, Shana  
Designer Babies  
CCGE—Corrick Center for General Education  
Debate  
2:50–3:20 • CMU 205

Hill, Zachary  
Supercross Track  
CM—Construction Management  
Poster/Display #71  
1:40–2:20 • CMU 2nd Floor Hallway

Hollermann, Christine  
How you Read to Kids Matters: Efficacy of Specific Techniques in Repeated Read Alouds  
PSY—Psychology  
Poster/Display # 128  
1:00–1:40 • CMU Basement Hallway

Holmquist, Alexander  
Fundamentals of Play Directing  
THTR—Theatre Arts  
Oral Presentation  
2:30–2:50 • Ballroom D

Holowell, Caitlyn  
Designer Babies  
CCGE—Corrick Center for General Education  
Debate  
2:50–3:20 • CMU 205

Holt, Conor  
Analyzing Human Rights in Science Fiction Films  
FILM—Film Studies  
Oral Presentation  
3:30–3:50 • LO 0102

Honetschlager, Victoria  
Bragg Scattering and Atomic Force Microscopy  
PHYS—Physics  
Poster/Display #116  
9:30–10:10 • CMU Main Lounge

Houk, DJ  
Magnetic Moment  
PHYS—Physics  
Poster/Display #118  
1:00–1:40 • CMU Main Lounge

Huso, Keely  
Volunteering: All Paws Down  
CMST—Communication Studies  
Oral Presentation  
1:00–1:20 • CMU 227

Hysjulien, Sara  
The Musical of Musicals  
THTR—Theatre Arts  
Performance and Talkback  
2:30–4:30 • Gaede Theatre

Imdieke, Lindsey  
Obstetric Nursing  
NURS—Nursing  
Poster/Display #109  
1:40–2:20 • CMU Basement Hallway
Indergaard, Kelsey
Los Pázos de Ulloa and the Naturalism Movement in Spain
SPAN—Spanish
Oral Presentation
1:50–2:10 • CMU 216

Iwen, Kimberly
Exploration of the relationship between the Cassava plant to the Taino people of the Greater Antilles.
BIOL—Biology
Poster/Display #27
10:10–10:50 • CMU Main Lounge

Jacobson, Katie
Prehistoric Settlement in Swift County, Minnesota
ANTH—Anthropology
Poster/Display #11
1:40–2:20 • CMU Basement Hallway

Jacobson, Robert
Gender Among The Lakota
ANTH—Anthropology
Poster/Display #9
10:10–10:50 • CMU 2nd Floor Hallway

Jetvig, Angela
Alzheimer’s Disease
HLTH—Health
Oral Presentation
10:30–10:50 • CMU 214

Johnk, Maxfield
Modern Jazz Bass: Improvisational styles on the double bass
MUS—Music
Oral Presentation
10:10–10:30 • LO 0108

Johnson, Rachel
Domestic Violence and Health
SOC—Sociology
Poster/Display #150
10:10–10:50 • CMU Basement Hallway

Johnson, Courtney
Beautifully Bald: Learning to Live with Alopecia through Self-Disclosure and Friendship
CMST—Communication Studies
Oral Presentation
10:30–10:50 • CMU 227

Johnson, Kelsey
Virtual Sexual Aggression: The Real Life Correlates of BDSM and Rape Simulations in Second Life
PSY—Psychology
Poster/Display #135
3:30–4:10 • CMU Main Lounge

Jorgenson, Renek
Science Discovery Camp for Middle School Students
BIOL—Biology
Poster/Display #29
1:40–2:20 • CMU Main Lounge

Kadimisetty, Sri Krishna
Make the next facebook: Developing a webapp on Google App Engine
CSIS—Computer Science and Information Systems
Workshop
1:40–2:10 • Ballroom D

Kafle, Arjun
Preparation of Imino Esters and Investigation of their Conjugate Additions to Unsaturated Carbonyls
CHEM—Chemistry
Poster/Display #60
1:40–2:20 • CMU Basement Hallway

Kalina, Carly
HLTH—Health
Poster/Display #81
1:40–2:20 • CMU 2nd Floor Hallway

Kappes, Adam
Transition from Childhood to Adulthood for Autistic Individuals
HLTH—Health
Oral Presentation
1:40–2:00 • CMU 214

Kariuki, Brian
Importance of Education and Health
SOC—Sociology
Oral Presentation
10:30–10:50 • CMU 208
Karki, Bibhusha  
A closer look into the hydroelectricity projects of Nepal  
INTL—International Studies  
Oral Presentation  
3:10–3:30 • CMU 208

Karki, Pragalv  
Bragg Scattering and Atomic Force Microscopy  
PHYS—Physics  
Poster/Display #116  
9:30–10:10 • CMU Main Lounge

Kaspari, Nicholas  
The Musical of Musicals  
THTR—Theatre Arts  
Performance and Talkback  
2:30–4:30 • Gaede Theatre

Kedrowski, Meagan  
STOP KISS  
THTR—Theatre Arts  
Theatre Performance  
9:30–11:30 • Glasrud Auditorium in Weld Hall  
NOTE: Performance may run over 90 minutes

Kelley, Jennifer  
Organics and Inorganics of America and Costa Rica  
BIOL—Biology  
Oral Presentation  
1:00–1:20 • CMU 205

Kendall, Scott  
Make a Jazz Noise Here: The Music of Frank Zappa  
MUS—Music  
Oral Presentation  
10:30–10:50 • LO 0108

Kettering, Christopher  
The responsibility to protect as an emerging norm of international law  
POL—Political Science  
Oral Presentation  
2:30–2:50 • CMU 207

Kim, Taehyun  
Synthesis of a new Cyanoborane polymer with a trigonal planar boron.  
CHEM—Chemistry  
Poster/Display #56  
1:40–2:20 • CMU 2nd Floor Hallway

Kim, Taehyun  
High-yield synthesis of the semicarbazide adduct of cyanoborane  
CHEM—Chemistry  
Poster/Display #55  
10:10–10:50 • CMU 2nd Floor Hallway

King, Cheyne  
STOP KISS  
THTR—Theatre Arts  
Theatre Performance  
9:30–11:30 • Glasrud Auditorium in Weld Hall  
NOTE: Performance may run over 90 minutes

King, Cheyne  
IF YOU GIVE A MOUSE A COOKIE  
THTR—Theatre Arts  
Theatre Performance  
1:00–1:45 • Glasrud Auditorium in Weld Hall

Kinter, Kevin  
A Test For Phenotypic Plasticity In The Ontogeny of Skeletal Ossification in Larvae of Two Species of Cichlids  
BIOL—Biology  
Poster/Display #40  
9:30–10:10 • CMU Basement Hallway

Kirby, Michael  
Capstone Experience- BDM Constructors  
CM—Construction Management  
Poster/Display #70  
9:30–10:10 • CMU Main Lounge

Kne, Katie  
Alzheimer’s Disease  
HLTH—Health  
Oral Presentation  
10:30–10:50 • CMU 214
Koirala, Mallika
Forensic Accounting: A Research Study
ACCT—Accounting
Oral Presentation
3:20–3:40 • LO 0108

Kolar, David
Behind the Sound: An Inside Look at Live Audio Production
MUS—Music
Oral Presentation
3:10–3:20 • LO 0108

Kondo, Takuto
KAATSU Training
AT—Athletic Training
Poster/Display #21
1:00–1:40 • CMU Basement Hallway

Korczak, Jordan
Sub-Zero Contractor’s Recreational Renovation
CM—Construction Management
Poster/Display #69
1:40–2:20 • CMU 2nd Floor Hallway

Kosak, Kyle
Urban Canada Geese in Moorhead, Minnesota: How Many are Too Many?
BIOL—Biology
Poster/Display #33
3:30–4:10 • CMU Main Lounge

Krabbenhoft, Lindsay
Transcultural Nursing in Guatemala
NURS—Nursing
Poster/Display #93
3:30–4:10 • CMU Main Lounge

Krabbenhoft, Lindsay Margaret
Transcultural Nursing in Guatemala
NURS—Nursing
Poster/Display #94
3:30–4:10 • CMU Main Lounge

Kram, Sara
Wet Site Archaeology: An Overview.
ANTH—Anthropology
Poster/Display #7
3:30–4:10 • CMU 2nd Floor Hallway

Kramer, Joseph
Lineage: Shooting on Location
FILM—Film Studies
Oral Presentation
9:50–10:10 • Ballroom D

Kramer, Tara
Lineage: Shooting on Location
FILM—Film Studies
Oral Presentation
9:50–10:10 • Ballroom D

Kretchmer, Kathleen
The Unseen: A Senior Seminar Film
FILM—Film Studies
Oral Presentation
2:30–2:50 • LO 0102

Kuklock, Ashlyn
Does population carrying capacity in protists scale exponentially with temperature?
BIOL—Biology
Poster/Display #31
10:10–10:50 • CMU Basement Hallway

Kuklock, Jaclynn
Does population carrying capacity in protists scale exponentially with temperature?
BIOL—Biology
Poster/Display #31
10:10–10:50 • CMU Basement Hallway

Kulshrestha, Manaevi
Understanding the neurological basis of LSD
BIOL—Biology
Poster/Display #42
3:30–4:10 • CMU Main Lounge

Kundinger, Samantha
Disappointing Maternal Death Rates in the United States
HLTH—Health
Oral Presentation
9:50–10:10 • CMU 214
Kuperus, Danielle  
Money Doesn’t Grow on Trees: The environmental, economic, and global costs of deforestation in Costa Rica.  
BIOL—Biology  
Oral Presentation  
2:00–2:20 • CMU 205

Lagred, Kayla  
How to Make and Use a Pin Hole Camera  
ART—Art and Design  
Table Display #12  
10:10–10:50 • CMU 2nd Floor Hallway

Lakner, Mitchell  
In Silico Analysis and Molecular Dissection of the PFDK:FDP Interaction  
BIOL—Biology  
Poster/Display #28  
1:00–1:40 • CMU Basement Hallway

Lakner, Mitchell  
Science Discovery Camp for Middle School Students  
BIOL—Biology  
Poster/Display #29  
1:40–2:20 • CMU Main Lounge

Lama, Lhemi  
Colon Cancer  
HLTH—Health  
Oral Presentation  
1:00–1:20 • CMU 214

Lamb, Laren  
Ganga Ma: Revered by millions, polluted by all

Lambertz, Jessica  
Lasting Projects of the New Deal in Fargo/Moorhead  
ART—Art and Design  
Oral Presentation  
9:30–9:50 • CMU 203

Lambourne, Neville  
relationship of man-made chemicals and human health  
SOC—Sociology  
Poster/Display  
1:00–1:40 • CMU 2nd Floor Hallway

Larsen, Jacob  
Every Drop Counts: An Analysis of International Water Markets and Pricing Policies  
ECON—Economics  
Oral Presentation  
1:00–1:20 • Ballrom A

Larson, Craig  
The Extra-Amazing Adventures of Extraman and Extragirl  
FILM—Film Studies  
Oral Presentation  
2:00–2:20 • LO 0102

Laurencele, Aimee  
Nursing Care After A Coronary Artery Bypass Graft: Preventing Complications  
NURS—Nursing  
Poster/Display #108  
1:00–1:40 • CMU 2nd Floor Hallway

LaValla, Amy  
Judaism in Late Antiquity  
HIST—History  
Oral Presentation  
10:30–10:50 • LO 0104

LaValla, Amy  
Methicillin-Resistant Staphylococcus Aureus in the Fargo-Moorhead Region  
HLTH—Health  
Oral Presentation  
9:30–9:50 • CMU 214

Lazur, Brittany  
Beautifully Bald: Learning to Live with Alopecia through Self-Disclosure and Friendship  
CMST—Communication Studies  
Oral Presentation  
10:30–10:50 • CMU 227

LeBrun, Wendy  
Health Insurance Coverage and Overall Health  
SOC—Sociology  
Poster/Display #151  
10:10–10:50 • CMU 2nd Floor Hallway
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Institution</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lech, Matthew</td>
<td>Identifying characteristics of conspiracy rhetoric in David Ray Griffin’s The Mysterious Collapse of World Trade Center 7.</td>
<td>CMST—Communication Studies</td>
<td>10:10–10:30</td>
<td>CMU 227</td>
</tr>
<tr>
<td>LeClaire, Simone</td>
<td>The Self in Relation to the Other: Recognizing Artificial Intelligence as Our Equal and as the Divine in Science Fiction Films</td>
<td>FILM—Film Studies</td>
<td>9:30–9:50</td>
<td>Ballroom D</td>
</tr>
<tr>
<td>Ledezma, Jose</td>
<td>Pancho Villa and the Mexican Revolution</td>
<td>HIST—History</td>
<td>1:00–1:20</td>
<td>LO 0104</td>
</tr>
<tr>
<td>Ledezma, Jose</td>
<td>Judaism in Late Antiquity</td>
<td>HIST—History</td>
<td>10:30–10:50</td>
<td>LO 0104</td>
</tr>
<tr>
<td>Lendobeja, Maria</td>
<td>Music-Induced Hearing Loss and the Collegiate Musician</td>
<td>SLHS—Speech, Language &amp; Hearing Science</td>
<td>1:00–1:40</td>
<td>CMU 2nd Floor Hallway</td>
</tr>
<tr>
<td>Libby, Sarah</td>
<td>Fa-So-La: The American Musical Tradition of Sacred Harp</td>
<td>MUS—Music</td>
<td>9:30–9:50</td>
<td>LO 0108</td>
</tr>
<tr>
<td>Lien, Laura</td>
<td>What factors influence the location decisions of service-sector firms in Minnesota and North Dakota?</td>
<td>ECON—Economics</td>
<td>10:10–10:30</td>
<td>Ballroom B</td>
</tr>
<tr>
<td>Livingood, Jennifer</td>
<td>Media’s Influence on Body Image: An Eye Tracking Study</td>
<td>PSY—Psychology</td>
<td>1:00–1:40</td>
<td>CMU Main Lounge</td>
</tr>
<tr>
<td>Lloyd, Casey</td>
<td>Music’s Effect on Helping Behavior in Second Life</td>
<td>PSY—Psychology</td>
<td>1:00–1:40</td>
<td>CMU 2nd Floor Hallway</td>
</tr>
<tr>
<td>Lock, Joanna</td>
<td>Farming Techniques in Costa Rica vs. United States</td>
<td>BIOL—Biology</td>
<td>2:30–2:50</td>
<td>CMU 205</td>
</tr>
<tr>
<td>Lofgren, Tonia</td>
<td>Women’s health-human papillomavirus</td>
<td>NURS—Nursing</td>
<td>3:30–4:10</td>
<td>CMU 2nd Floor Hallway</td>
</tr>
<tr>
<td>Lokenye, Christelle</td>
<td>HIV/AIDS: The silent threat to humanity.</td>
<td>HLTH—Health</td>
<td>10:10–10:50</td>
<td>CMU 2nd Floor Hallway</td>
</tr>
<tr>
<td>Lunn, Whitney</td>
<td>Graphic Design and the proper way to layout a poster</td>
<td>ART—Art and Design</td>
<td>10:10–10:50</td>
<td>CMU 2nd Floor Hallway</td>
</tr>
<tr>
<td>Mack, Nathan</td>
<td>The Internet and International Security</td>
<td>POL—Political Science</td>
<td>1:40–2:00</td>
<td>CMU 207</td>
</tr>
</tbody>
</table>
Mack, Megan  
*Fashion Through The Lens*  
**ART**—Art and Design  
Oral Presentation  
9:50–10:10 • CMU 203

Mackedoranz, Karly  
*Hunger-Something to Grumble About*  
**CMST**—Communication Studies  
Oral Presentation  
1:40–2:00 • CMU 227

Madsen, Bradley  
*Li Hung-Chang, Sergei Witte and the Chinese Eastern Railway, 1887-1900*  
**HIST**—History  
Oral Presentation  
2:50–3:10 • LO 0104

Magrum, Briana  
*The Effect of Internet Use on Health*  
**SOC**—Sociology  
Poster/Display #149  
2:30–3:10 • CMU Main Lounge

Maharjan, Radha  
*Anemia*  
**HLTH**—Health  
Poster/Display #84  
9:30–10:10 • CMU Basement Hallway

Mahmood, Alexandra  
*Dazed and Confused*  
**AT**—Athletic Training  
Poster/Display #19  
10:10–10:50 • CMU Basement Hallway

Man Subedi, Ishan  
*X-ray spectroscopy*  
**PHYS**—Physics  
Poster/Display #119  
3:30–4:10 • CMU 2nd Floor Hallway

Maninga, Fidelia  
*Benito Juarez*  
**HIST**—History  
Oral Presentation  
2:30–2:50 • LO 0104

Maninga, Fidelia  
*Decreasing child mortality in Africa through malaria prevention.*  
**HLTH**—Health  
Poster/Display #1  
9:30–10:10 • CMU Basement Hallway

Mann, Marcus  
*Dead Again: A Senior Seminar Film*  
**FILM**—Film Studies  
Film Screening  
9:30–9:50 • LO 0102

Manohar, Nivedha  
*In Silico Analysis and Molecular Dissection of the PPDK:PDRP Interaction*  
**BIOL**—Biology  
Poster/Display #28  
1:00–1:40 • CMU Basement Hallway

Marier, Cynthia  
*The Relationship with Smoking and your Health*  
**SOC**—Sociology  
Poster/Display #146  
2:30–3:10 • CMU 2nd Floor Hallway

Marketon, Jill  
*Alzheimer's Disease*  
**HLTH**—Health  
Oral Presentation  
10:30–10:50 • CMU 214

Marsh, Dan  
*How to Make and Use a Pin Hole Camera*  
**ART**—Art and Design  
Table Display #12  
10:10–10:50 • CMU 2nd Floor Hallway

Marshall, Glen  
*Government Nutritional Programs: Success of Failure?*  
**SOC**—Sociology  
Poster/Display #148  
10:10–10:50 • CMU 2nd Floor Hallway
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Department</th>
<th>Event Type</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Martinson, Sarah E.</td>
<td>A Decade of Painted Turtle Ecology in Clay County, Minnesota What Have We Learned?</td>
<td>BIOL—Biology</td>
<td>Poster/Display</td>
<td>9:30–10:10</td>
<td>CMU Basement Hallway</td>
</tr>
<tr>
<td>Martodam, Gregory</td>
<td>Concussions: Can the effects linger for decades?</td>
<td>AT—Athletic Training</td>
<td>Poster/Display</td>
<td>9:30–10:10</td>
<td>CMU 2nd Floor Hallway</td>
</tr>
<tr>
<td>Marube, Finlay</td>
<td>Drifts and Shifts of Influenza Virus and Immune Response</td>
<td>BIOL—Biology</td>
<td>Poster/Display</td>
<td>10:10–10:50</td>
<td>CMU Basement Hallway</td>
</tr>
<tr>
<td>Mateon, April</td>
<td>The Land of 9,999 Lakes</td>
<td>ENGL—English</td>
<td>Oral Presentation</td>
<td>9:30–1:40</td>
<td>CMU 101</td>
</tr>
<tr>
<td>Max Jeffry, Collins</td>
<td>Sickle Cell Anemia</td>
<td>HLTH—Health</td>
<td>Oral Presentation</td>
<td>1:20–1:40</td>
<td>CMU 214</td>
</tr>
<tr>
<td>McCallum, Peter</td>
<td>The U.S. Corporate Tax System: Is Uncle Sam Encouraging Investment Abroad?</td>
<td>ECON—Economics</td>
<td>Oral Presentation</td>
<td>1:20–1:40</td>
<td>Ballrom A</td>
</tr>
<tr>
<td>McCartney, Chelsea</td>
<td>Cochlear Implants</td>
<td>SLHS—Speech, Language &amp; Hearing Science</td>
<td>Poster/Display</td>
<td>9:30–10:10</td>
<td>CMU 2nd Floor Hallway</td>
</tr>
<tr>
<td>Mccollam, Angela</td>
<td>Preliminary genetic analysis of Lasioglossum (Dialictus) spp. (Hymenoptera: Apoidea) of western Minnesota tallgrass prairie.</td>
<td>BIOL—Biology</td>
<td>Poster/Display</td>
<td>1:40–2:20</td>
<td>CMU Basement Hallway</td>
</tr>
<tr>
<td>McIntire, Mark</td>
<td>Migraines</td>
<td>AT—Athletic Training</td>
<td>Poster/Display</td>
<td>1:00–1:40</td>
<td>CMU 2nd Floor Hallway</td>
</tr>
<tr>
<td>Mehl, Christopher</td>
<td>Generating functions, and their relationship to convergent sequences.</td>
<td>MATH—Mathematics</td>
<td>Oral Presentation</td>
<td>9:50–10:10</td>
<td>CMU 207</td>
</tr>
<tr>
<td>Meidinger, Sara</td>
<td>Obesity in the United States</td>
<td>HLTH—Health</td>
<td>Poster/Display</td>
<td>1:40–2:20</td>
<td>CMU Basement Hallway</td>
</tr>
<tr>
<td>Menton, Lucas</td>
<td>Construction Management Capstone Experience - Multi-unit housing development</td>
<td>CM—Construction Management</td>
<td>Oral Presentation</td>
<td>3:30–3:50</td>
<td>CMU 207</td>
</tr>
<tr>
<td>Metzger, Rachel</td>
<td>Effects of Employment on Minnesota State University Moorhead Students’ Grades</td>
<td>ECON—Economics</td>
<td>Oral Presentation</td>
<td>1:00–1:20</td>
<td>Ballrom B</td>
</tr>
<tr>
<td>Michaelson, Lindsey</td>
<td>Disappointing Maternal Death Rates in the United States</td>
<td>HLTH—Health</td>
<td>Oral Presentation</td>
<td>9:50–10:10</td>
<td>CMU 214</td>
</tr>
</tbody>
</table>

Times and locations may have changed since the publication of this document. Please click on the Dragon logo at the bottom of the page to go to the Student Academic Conference website for the most up-to-date information.
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Department</th>
<th>Type</th>
<th>Date/Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Michelson, Jessica</td>
<td>Effect of order of stimulus presentation on releaser-induced recognition learning</td>
<td>BIOL—Biology</td>
<td>Oral Presentation</td>
<td>10:30–10:50</td>
<td>CMU 205</td>
</tr>
<tr>
<td></td>
<td>The effect of multiple infections of a brain-encysting trematode on the optomotor response of fathead minnows.</td>
<td>BIOL—Biology</td>
<td>Oral Presentation</td>
<td>9:30–9:50</td>
<td>CMU 205</td>
</tr>
<tr>
<td>Michon, Tierney</td>
<td>The Musical of Musicals</td>
<td>THTR—Theatre Arts</td>
<td>Performance and Talkback</td>
<td>2:30–4:40</td>
<td>Gaede Theatre</td>
</tr>
<tr>
<td>Millard, Arkady</td>
<td>Case study: Antipsychotic Medication Induced Parkinsonism</td>
<td>NURS—Nursing</td>
<td>Poster/Display</td>
<td>9:30–10:10</td>
<td>CMU 2nd Floor Hallway</td>
</tr>
<tr>
<td>Miller, Mitchell</td>
<td>The Extra-Amazing Adventures of Extraman and Extragirl</td>
<td>FILM—Film Studies</td>
<td>Oral Presentation</td>
<td>2:00–2:20</td>
<td>LO 0102</td>
</tr>
<tr>
<td>Miller, Kimberly</td>
<td>STOP KISS</td>
<td>THTR—Theatre Arts</td>
<td>Theatre Performance</td>
<td>9:30–11:30</td>
<td>Glasrud Auditorium in Weld Hall</td>
</tr>
<tr>
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<td>NOTE: Performance may run over 90 minutes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mitylng, Lindsay</td>
<td>Organics and Inorganics of America and Costa Rica</td>
<td>BIOL—Biology</td>
<td>Oral Presentation</td>
<td>1:00–1:20</td>
<td>CMU 205</td>
</tr>
<tr>
<td>Moenkedick, Molly</td>
<td>Medical-Surgical Nursing</td>
<td>NURS—Nursing</td>
<td>Poster/Display</td>
<td>1:00–1:40</td>
<td>CMU 2nd Floor Hallway</td>
</tr>
<tr>
<td>Mohamed, Zuweina</td>
<td>The Role of Trade and Foreign Direct Investments in the Economic Growth of Sub-Saharan African Countries.</td>
<td>ECON—Economics</td>
<td>Oral Presentation</td>
<td>3:10–3:30</td>
<td>Ballrom A</td>
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<td>Mohamed, Aisha</td>
<td>Forensic Accounting: A Research Study</td>
<td>ACCT—Accounting</td>
<td>Oral Presentation</td>
<td>3:20–3:40</td>
<td>LO 0108</td>
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<tr>
<td>Montbriand, Melissa</td>
<td>Geometric Constructions Using a Straightedge and a Compass</td>
<td>MATH—Mathematics</td>
<td>Oral Presentation</td>
<td>10:10–10:30</td>
<td>CMU 207</td>
</tr>
<tr>
<td>Moore, Christopher</td>
<td>Magnetic Susceptibility and the Superconducting Transition</td>
<td>PHYS—Physics</td>
<td>Poster/Display</td>
<td>1:00–1:40</td>
<td>CMU Main Lounge</td>
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<td></td>
<td>Nuclear Magnetic Resonance</td>
<td>PHYS—Physics</td>
<td>Poster/Display</td>
<td>1:00–1:40</td>
<td>CMU 2nd Floor Hallway</td>
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<tr>
<td>Moore, Christopher</td>
<td>Gaussian Accelerator</td>
<td>PHYS—Physics</td>
<td>Poster/Display</td>
<td>10:10–10:50</td>
<td>CMU 2nd Floor Hallway</td>
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</tbody>
</table>

Times and locations may have changed since the publication of this document. Please click on the Dragon logo at the bottom of the page to go to the Student Academic Conference website for the most up-to-date information.
Moorhouse, Amy
The effects of exotic earthworms on Big Bluestem, Andropogon gerardii, prairie plants
BIOL—Biology
Poster/Display #36
2:30–3:10 • CMU Main Lounge

Morrison, Heather
Disappointing Maternal Death Rates in the United States
HLTH—Health
Oral Presentation
9:50–10:10 • CMU 214

Morseth, Zachary
Preparation of Tetrahydroisoquinoline-Derived Azomethine Ylide Dipoles and Investigation of their Cycloaddition to Unsaturated Acyl Pyrazolidinones
CHEM—Chemistry
Poster/Display #57
1:40–2:20 • CMU Basement Hallway

Munson, Jacquelyn
Caring for Patients in a Transcultural Nursing Setting
NURS—Nursing
Poster/Display #99
9:30–10:10 • CMU 2nd Floor Hallway

Muthukumarana, Tharaka
Cybercrime on Campus
ACCT—Accounting
Poster/Display #2
10:10–10:50 • CMU Basement Hallway

Muthukumarana, Tharaka
Cybercrime on Campus
ACCT—Accounting
Poster/Display #2
10:10–10:50 • CMU Basement Hallway

Muwahid, Tariq
The Musical of Musicals
THTR—Theatre Arts
Performance and Talkback
2:30–4:30 • Gaede Theatre

Nash, Karsten
Preliminary genetic analysis of Lasioglossum (Dialictus) spp. (Hymenoptera: Apoidea) of western Minnesota tallgrass prairie.
BIOL—Biology
Poster/Display #26
1:40–2:20 • CMU Basement Hallway

Nejo, Yusuke
Acupuncture in our lives
AT—Athletic Training
Poster/Display #25
9:30–10:10 • CMU Basement Hallway

Nelson, Kaitlyn
Stratigraphic significance of a fossiliferous shale in the lower part of the Raytown Limestone Member of the Iola Limestone (Upper Pennsylvanian) in eastern Kansas
GEOS—Geoscience
Poster/Display #79
1:40–2:20 • CMU 2nd Floor Hallway

Nelson, Alyssa
Graphic Design and the proper way to layout a poster
ART—Art and Design
Poster/Display #13
10:10–10:50 • CMU 2nd Floor Hallway
Nelson, Amber
Graphic Design and the proper way to layout a poster
ART—Art and Design
Poster/Display #13
10:10–10:50 • CMU 2nd Floor Hallway

Nelson, Yalonda
Designer Babies
CCGE—Corrick Center for General Education
Debate
2:50–3:20 • CMU 205

Nelson, Kelly
STOP KISS
THTR—Theatre Arts
Theatre Performance
9:30–11:30 • Glasrud Auditorium in Weld Hall
NOTE: Performance may run over 90 minutes

Nguyen, Tony
Impact of NHE1 Phosphorylation by Ribosomal S-6 kinase and RhoA kinase on ERM binding and cell motility
CHEM—Chemistry
Poster/Display
1:00–1:40 • CMU 2nd Floor Hallway

Nies, Kirsten
Methicillin-Resistant Staphylococcus Aureus in the Fargo-Moorhead Region
HLTH—Health
Oral Presentation
9:30–9:50 • CMU 214

North, Heather
Shopping at Farmers Markets vs. Large Supermarkets
BIOL—Biology
Oral Presentation
1:40–2:00 • CMU 205

Nowacki, Amie
A New Procedure for the Acylation of Pyrazolidinone Rings Using Mukayamas Reagent
CHEM—Chemistry
Poster/Display #62
9:30–10:10 • CMU Basement Hallway

Nwabufo, Christian
Sickle Cell Anemia
HLTH—Health
Oral Presentation
1:20–1:40 • CMU 214

Nymark, Jessica
A Test For Phenotypic Plasticity In The Ontogeny of Skeletal Ossification in Larvae of Two Species of Cichlids
BIOL—Biology
Poster/Display #40
9:30–10:10 • CMU Basement Hallway

O’Brien, Dylan
The Future of Time Perspective
PSY—Psychology
Poster/Display #134
2:30–3:10 • CMU Main Lounge

Ochs, Rachael
Cystic Fibrosis
AT—Athletic Training
Poster/Display #22
10:10–10:50 • CMU Basement Hallway

Olatunbosun, Margaret
HIV/AIDS: The silent threat to humanity.
HLTH—Health
Poster/Display #85
10:10–10:50 • CMU 2nd Floor Hallway

Olatunbosun, Margaret
Toward a Sustainable Textbook Future - The Free, Open, and Digital Revolution
ECON—Economics
Oral Presentation
9:30–9:50 • Ballrom A

Olsen, Eric
Neologisms: the death of English and birth of new American
ANTH—Anthropology
Poster/Display #10
1:00–1:40 • CMU 2nd Floor Hallway
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Course</th>
<th>Type</th>
<th>Time</th>
<th>Location</th>
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<tr>
<td><strong>Olson, Justin A.</strong></td>
<td>Effect of order of stimulus presentation on releaser-induced recognition learning</td>
<td>BIOL—Biology</td>
<td>Oral Presentation</td>
<td>10:30–10:50</td>
<td>CMU 205</td>
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<tr>
<td><strong>Olson, Justin</strong></td>
<td>A test of a method for mass-training fish for applications in aquaculture.</td>
<td>BIOL—Biology</td>
<td>Oral Presentation</td>
<td>9:50–10:10</td>
<td>CMU 205</td>
</tr>
<tr>
<td><strong>Pantera, Harrison</strong></td>
<td>Feeding level and size-pairing impacts on intraspecific competition between fathead minnows</td>
<td>BIOL—Biology</td>
<td>Poster/Display #32</td>
<td>10:10–10:50</td>
<td>CMU Main Lounge</td>
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<tr>
<td><strong>Olson, Maggie</strong></td>
<td>Shakespeare's The Merry Wives of Windsor: Adapting Shakespeare for Contemporary Audiences</td>
<td>THTR—Theatre Arts</td>
<td>Oral Presentation</td>
<td>2:10–2:30</td>
<td>CMU 216</td>
</tr>
<tr>
<td><strong>Olson, Alyssa</strong></td>
<td>Designer Babies</td>
<td>CCGE—Corrick Center for General Education</td>
<td>Debate</td>
<td>2:50–3:20</td>
<td>CMU 205</td>
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<tr>
<td><strong>Olson, Alisha</strong></td>
<td>Childhood Obesity</td>
<td>HLTH—Health</td>
<td>Oral Presentation</td>
<td>1:00–1:20</td>
<td>Ballroom D</td>
</tr>
<tr>
<td><strong>Olson, Justin</strong></td>
<td>A Decade of Painted Turtle Ecology in Clay County, Minnesota What Have We Learned?</td>
<td>BIOL—Biology</td>
<td>Poster/Display #35</td>
<td>9:30–10:10</td>
<td>CMU Basement Hallway</td>
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<tr>
<td><strong>O’Malley, Kaity</strong></td>
<td>Graphic Design and the proper way to layout a poster</td>
<td>ART—Art and Design</td>
<td>Poster/Display #13</td>
<td>10:10–10:50</td>
<td>CMU 2nd Floor Hallway</td>
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<tr>
<td><strong>Page, Derek</strong></td>
<td>Artistic Quality by Beauty and Interestingness</td>
<td>PSY—Psychology</td>
<td>Poster/Display #132</td>
<td>9:30–10:10</td>
<td>CMU Basement Hallway</td>
</tr>
<tr>
<td><strong>Parbhunath, Chitrasen</strong></td>
<td>Henry David Thoreau’s Vision of Man and Nature</td>
<td>ENGL—English</td>
<td>Oral Presentation</td>
<td>9:30–1:40</td>
<td>CMU 101</td>
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<tr>
<td><strong>Parsley, Carmen</strong></td>
<td>Labor and Delivery Nursing: A Student’s Perspective</td>
<td>NURS—Nursing</td>
<td>Poster/Display #112</td>
<td>1:00–1:40</td>
<td>CMU Basement Hallway</td>
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<tr>
<td><strong>Patel, Nicholas</strong></td>
<td>Bumper Expectations: The Effect of Revenue Insurance on Yield Volatility</td>
<td>ECON—Economics</td>
<td>Oral Presentation</td>
<td>10:10–10:30</td>
<td>Ballroom A</td>
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<tr>
<td><strong>Patel, Sunil</strong></td>
<td>Nepal’s Survival between two Giants(Nepal’s foreign policy strategies vis-a-vis India and China)</td>
<td>INTL—International Studies</td>
<td>Oral Presentation</td>
<td>2:50–3:10</td>
<td>CMU 208</td>
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<tr>
<td>Name</td>
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<td>Department</td>
<td>Poster/Display</td>
<td>Time</td>
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<tr>
<td>Paudel, Sunil</td>
<td>Wine to Water</td>
<td>INTL—International Studies</td>
<td>#89</td>
<td>3:30–4:10</td>
<td>CMU 2nd Floor Hallway</td>
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<tr>
<td>Peper, Jenna</td>
<td>Substance Abuse and Its Effects on the Population: An Epidemiological Approach.</td>
<td>HLTH—Health</td>
<td>#81</td>
<td>1:40–2:20</td>
<td>CMU 2nd Floor Hallway</td>
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<tr>
<td>Peper, Jenna</td>
<td>The Influence of Alcohol Use on Health</td>
<td>SOC—Sociology</td>
<td>#145</td>
<td>2:30–3:10</td>
<td>CMU Main Lounge</td>
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<tr>
<td>Perera, Atukoralage Indiwari</td>
<td>The Social Impact of Chernobyl Disaster</td>
<td>HIST—History</td>
<td></td>
<td>10:10–10:30</td>
<td>Ballroom D</td>
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<tr>
<td>Perkins, Vanessa</td>
<td>“A Fine Frenzy”: Gender Dynamics in “A Midsummer Night’s Dream”</td>
<td>ENGL—English</td>
<td></td>
<td>1:40–2:00</td>
<td>CMU 101</td>
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<tr>
<td>Pigeon, Jered</td>
<td>POST HIGH SCHOOL ASPIRATIONS OF AMERICAN INDIAN STUDENTS</td>
<td>PSY—Psychology</td>
<td>#216</td>
<td>1:20–1:50</td>
<td>CMU 216</td>
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<tr>
<td>Pimlott, Benjamin</td>
<td>Film 472 Advanced Video Production Client Videos</td>
<td>FILM—Film Studies</td>
<td>#101</td>
<td>2:30–3:30</td>
<td>LO 0101</td>
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<td>Poepping, Sarah</td>
<td>“Malleable”: A Presentation of Sarah Poepping’s Photographic Series</td>
<td>ART—Art and Design</td>
<td>#203</td>
<td>10:10–10:30</td>
<td>CMU 203</td>
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<tr>
<td>Pound, Crystal</td>
<td>“An Animal Kingdom of Mishaps”</td>
<td>ENGL—English</td>
<td></td>
<td>9:30–1:40</td>
<td>CMU 101</td>
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<tr>
<td>Pudwill, Klarissa</td>
<td>The Musical of Musicals</td>
<td>THTR—Theatre Arts</td>
<td>#208</td>
<td>2:30–4:30</td>
<td>Gaede Theatre</td>
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<tr>
<td>Pullen, Matthew</td>
<td>Down the Tracks: An Ecocritical Examination of Progress and Nature from Walden to Today</td>
<td>ENGL—English</td>
<td>#101</td>
<td>9:30–1:40</td>
<td>CMU 101</td>
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<td>Pundin, Sky</td>
<td>The Over Diagnosis of ADHD</td>
<td>SOC—Sociology</td>
<td>#208</td>
<td>9:50–10:10</td>
<td>CMU 208</td>
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<td>Radonic, Sonny</td>
<td>Testing Inheritability of Shy/Bold Personality Traits in Zebrafish Offspring</td>
<td>BIOL—Biology</td>
<td>#37</td>
<td>2:30–3:10</td>
<td>CMU Main Lounge</td>
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<tr>
<td>Rahman, Fariha</td>
<td>Transition to Sustainable Energy</td>
<td>ECON—Economics</td>
<td>#73</td>
<td>3:30–4:10</td>
<td>CMU Main Lounge</td>
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<td>Rassat, Aaron</td>
<td>Decreasing child mortality in Africa through malaria prevention.</td>
<td>HLTH—Health</td>
<td>#1</td>
<td>9:30–10:10</td>
<td>CMU Basement Hallway</td>
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Rastedt, DeAnna
Urban Canada Geese in Moorhead, Minnesota: How Many are Too Many?
BIOL—Biology
Poster/Display #33
3:30–4:10 • CMU Main Lounge

Rastedt, DeAnna
BIOL—Biology
Poster/Display #34
3:30–4:10 • CMU Main Lounge

Rastedt, DeAnna
A Decade of Painted Turtle Ecology in Clay County, Minnesota What Have We Learned?
BIOL—Biology
Poster/Display #35
9:30–10:10 • CMU Basement Hallway

Raymo, Nikko
The Musical of Musicals
THTR—Theatre Arts
Performance and Talkback
2:30–4:30 • Gaede Theatre

Reiswig, Kegan
Does the National Basketball Association’s Soft Salary Cap Increase Competitive Parity?
ECON—Economics
Oral Presentation
2:00–2:20 • Ballrom A

Remhof, Jessica
The Spanish Immersion Classroom and Beyond: An Investigation of Vocabulary Discrepancies
PSY—Psychology
Poster/Display #136
2:30–3:10 • CMU 2nd Floor Hallway

Remmick, Ashley D.
BIOL—Biology
Poster/Display #34
3:30–4:10 • CMU Main Lounge

Remmick, Ashley D.
A Decade of Painted Turtle Ecology in Clay County, Minnesota What Have We Learned?
BIOL—Biology
Poster/Display #35
9:30–10:10 • CMU Basement Hallway

Richgels, Holli
The Musical of Musicals
THTR—Theatre Arts
Performance and Talkback
2:30–4:30 • Gaede Theatre

Ridler, Joshua
Construction Management Capstone Experience - Multi-unit housing development
CM—Construction Management
Oral Presentation
3:30–3:50 • CMU 207

Riffle, Heidi
STOP KISS
THTR—Theatre Arts
Theatre Performance
9:30–11:30 • Glasrud Auditorium in Weld Hall
NOTE: Performance may run over 90 minutes

Rijal, Durga
HIV/AIDS: The silent threat to humanity.
HLTH—Health
Poster/Display #85
10:10–10:50 • CMU 2nd Floor Hallway

Ringgold, Jennifer D.
A Decade of Painted Turtle Ecology in Clay County, Minnesota What Have We Learned?
BIOL—Biology
Poster/Display #35
9:30–10:10 • CMU Basement Hallway
Roach, Christopher  
Supercross Track  
CM—Construction Management  
Poster/Display #71  
1:40–2:20 • CMU 2nd Floor Hallway

Rodriguez, Gerardo  
Stratigraphic significance of a fossiliferous shale in the lower part of the Raytown Limestone Member of the Iola Limestone (Upper Pennsylvanian) in eastern Kansas  
GEOS—Geoscience  
Poster/Display #79  
1:40–2:20 • CMU 2nd Floor Hallway

Rolando, Dominique  
Hugo Chavez - The rise of a new age dictator  
HIST—History  
Oral Presentation  
1:20–1:40 • LO 0104

Rolando, Dom  
Honors Apprentices: Service and Challenge  
HON—Honors  
Oral Presentation  
2:30–2:50 • CMU 227

Ross, Susan  
NURS—Nursing  
Poster/Display #96  
3:30–4:10 • CMU Main Lounge

Rossow, Shelby  
Transcultural Nursing in Guatemala  
NURS—Nursing  
Poster/Display #94  
3:30–4:10 • CMU Main Lounge

Rossow, Shelby Doris  
Transcultural Nursing in Guatemala  
NURS—Nursing  
Poster/Display #93  
3:30–4:10 • CMU Main Lounge

Rothberg, Eric  
“The Surviving Chinese Jewish Community”  
HIST—History  
Oral Presentation  
2:30–2:50 • CMU 216

Rottman, Carl  
STOP KISS  
THTR—Theatre Arts  
Theatre Performance  
9:30–11:30 • Glasrud Auditorium in Weld Hall  
NOTE: Performance may run over 90 minutes

Roy, Lyndsey  
How you Read to Kids Matters: Efficacy of Specific Techniques in Repeated Read Alouds  
PSY—Psychology  
Poster/Display #128  
1:00–1:40 • CMU Basement Hallway

Ruckdashel, Steven  
Utilizing Microsoft Kinect Controller for Affordable Robotic Navigation  
PHYS—Physics  
Oral Presentation  
10:10–10:30 • CMU 216

Rue, Jonathan  
k-Gibonacci Numbers and Permutation Statistics  
MATH—Mathematics  
Oral Presentation  
3:10–3:50 • CMU 207

Sadowski, Christina  
Urban Canada Geese in Moorhead, Minnesota: How Many are Too Many?  
BIOL—Biology  
Poster/Display #33  
2:30–3:10 • CMU Main Lounge

Sailer, Cory  
Form to Form: Music and Art in the Baroque  
MUS—Music  
Oral Presentation  
1:00–1:20 • LO 0108

Sailer, Cory  
Testing Inheritability of Shy/Bold Personality Traits in Zebrafish Offspring  
BIOL—Biology  
Poster/Display #37  
2:30–3:10 • CMU Main Lounge
Conference Participants Listed Alphabetically by Last Name

Sam, Sabrina
Shining a Light on Acne
BIOL—Biology
Poster/Display #49
1:40–2:20 • CMU 2nd Floor Hallway

Sandifer, James
Music on the Brain
MUS—Music
Oral Presentation
2:00–2:20 • LO 0108

Saqlain, Murshid
Constructing a Walker Robot
PHYS—Physics
Poster/Display #120
10:10–10:50 • CMU Basement Hallway

Saue, Alicia
Prevent Deep Vein Thrombosis on a Medical/Surgical Flood
NURS—Nursing
Poster/Display #110
1:40–2:20 • CMU Basement Hallway

Sauer, Alane
A Test For Phenotypic Plasticity In The Ontogeny of Skeletal Ossification in Larvae of Two Species of Cichlids
BIOL—Biology
Poster/Display #40
9:30–10:10 • CMU Basement Hallway

Saul, Danielle
An Assessment on the Republican Candidates for the 2012 Election.
CMST—Communication Studies
Oral Presentation
1:20–1:40 • CMU 227

Savageau, Nicole
Parental teaching by fish biparental
BIOL—Biology
Poster/Display #39
1:40–2:20 • CMU Basement Hallway

Savageau, Nicole
Bi-Parental Teaching by Fish
BIOL—Biology
Poster/Display #41
9:30–10:10 • CMU Main Lounge

Schann, Allyson
Social Referencing During Inauthentic Emotional Situations
PSY—Psychology
Poster/Display #127
1:40–2:20 • CMU 2nd Floor Hallway

Schmidt, Jacquelyn
Media's Influence on Body Image: An Eye Tracking Study
PSY—Psychology
Poster/Display #126
1:00–1:40 • CMU Main Lounge

Schmidt, Ashley
Health Literacy and Oncology Patient Education
NURS—Nursing
Poster/Display #95
10:10–10:50 • CMU 2nd Floor Hallway

Schmaltz, Chelsea
How the Belief Involving Prozac Affects Health
SOC—Sociology
Poster/Display #154
10:10–10:50 • CMU 2nd Floor Hallway

Schmidkunz, Cortney
STOP KISS
THTR—Theatre Arts
Theatre Performance
9:30–11:30 • Glasrud Auditorium in Weld Hall
NOTE: Performance may run over 90 minutes

Schmidkunz, Cortney
IF YOU GIVE A MOUSE A COOKIE
THTR—Theatre Arts
Theatre Performance
1:00–1:45 • Glasrud Auditorium in Weld Hall

Schmidt, Ashley
The Musical of Musicals
THTR—Theatre Arts
Performance and Talkback
2:30–4:30 • Gaede Theatre
Conference Participants Listed Alphabetically by Last Name

Schotte, Phillip
Shopping at Farmers Markets vs. Large Supermarkets
BIOI—Biology
Oral Presentation
1:40–2:00 • CMU 205

Schotte, Phillip
Common Garden Experiment in Convict Cichlid
BIOI—Biology
Poster/Display #38
9:30–10:10 • CMU 2nd Floor Hallway

Schreifels, Michael
On the Trash Trail
GEOS—Geoscience
Oral Presentation
10:30–10:50 • Ballroom D

Schueller, Ivy
Designer Babies
CCGE—Corrick Center for General Education
Debate
2:50–3:20 • CMU 205

Schwab, Karryn
Health Among the Homeless
SOC—Sociology
Poster/Display #143
10:10–10:50 • CMU 2nd Floor Hallway

Schwab, Karryn
Childhood Obesity
HLTH—Health
Oral Presentation
1:00–1:20 • Ballroom D

Scott, Rebecca
How does religion, alcohol consumption, and socioeconomic status, affect the overall health of older adults?
SOC—Sociology
Poster/Display #156
10:10–10:50 • CMU 2nd Floor Hallway

Seidel, Ryan
Supercross Track
CM—Construction Management
Poster/Display #71
1:40–2:20 • CMU 2nd Floor Hallway

Shahi, Sagun
Colon Cancer
HLTH—Health
Oral Presentation
1:00–1:20 • CMU 214

Sherchan, Sujata
Forensic Accounting: A Research Study
ACCT—Accounting
Oral Presentation
3:20–3:40 • LO 0108

Sherven, Brittany
Preterm Births in the Scope of Epidemiology
HLTH—Health
Oral Presentation
10:10–10:30 • CMU 221

Shook, Parker
STOP KISS
THTR—Theatre Arts
Theatre Performance
9:30–11:30 • Glasrud Auditorium in Weld Hall
NOTE: Performance may run over 90 minutes

Short, Amber
Comparing a Children’s Film to the Literary Work that Inspired It
EECE—Elementary and Early Childhood Education
Poster/Display #74
9:30–10:10 • CMU 2nd Floor Hallway

Shrestha, Nasheeba
Cybercrime on Campus
ACCT—Accounting
Poster/Display #2
10:10–10:50 • CMU Basement Hallway

Sieben, James
Human Security and Societal Security Concerns in Post-Taliban Afghanistan
POL—Political Science
Oral Presentation
1:00–1:20 • CMU 207
<table>
<thead>
<tr>
<th>Name</th>
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<th>Department</th>
<th>Type</th>
<th>Time</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>Singh, Avantika</td>
<td>The Social Impact of Chernobyl Disaster</td>
<td>HIST—History</td>
<td>Oral Presentation</td>
<td>10:10–10:30</td>
<td>Ballroom D</td>
</tr>
<tr>
<td>Smith, Crystal</td>
<td>Moorhead Gangs</td>
<td>CJ —Criminal Justice</td>
<td>Oral Presentation</td>
<td>3:20–3:40</td>
<td>CMU 203</td>
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<tr>
<td>Sobolik, Dustin</td>
<td>The IMF and the Third World</td>
<td>POL—Political Science</td>
<td>Poster/Display #123</td>
<td>2:30–3:10</td>
<td>CMU Main Lounge</td>
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<tr>
<td>Sorensen, Tyler</td>
<td>A Reappraisal of Voice-over Narration</td>
<td>FILM—Film Studies</td>
<td>Oral Presentation</td>
<td>10:10–10:30</td>
<td>LO 0102</td>
</tr>
<tr>
<td>Sorenson, Heather</td>
<td>Match.com-What’s your blood group?</td>
<td>BIOL—Biology</td>
<td>Poster/Display #48</td>
<td>1:00–1:40</td>
<td>CMU Main Lounge</td>
</tr>
<tr>
<td>Soukup, Ryan</td>
<td>STOP KISS</td>
<td>THTR—Theatre Arts</td>
<td>Theatre Performance</td>
<td>9:30–11:30</td>
<td>Glasrud Auditorium in Weld Hall</td>
</tr>
<tr>
<td>Soukup, Ryan</td>
<td>IF YOU GIVE A MOUSE A COOKIE</td>
<td>THTR—Theatre Arts</td>
<td>Theatre Performance</td>
<td>1:00–1:45</td>
<td>Glasrud Auditorium in Weld Hall</td>
</tr>
<tr>
<td>Spanier, Rebecca</td>
<td>Hunger-Something to Grumble About</td>
<td>CMST—Communication Studies</td>
<td>Oral Presentation</td>
<td>1:40–2:00</td>
<td>CMU 227</td>
</tr>
<tr>
<td>St. Sauver, Ashley</td>
<td>Naturschutz: Policy or Excuse? Examining the Environmental Policies of Germany’s Nazi Regime.</td>
<td>HIST—History</td>
<td>Oral Presentation</td>
<td>2:00–2:20</td>
<td>LO 0104</td>
</tr>
<tr>
<td>Stenger, Nancy</td>
<td>Preliminary genetic analysis of Lasioglossum (Dialictus) spp. (Hymenoptera: Apoidea) of western Minnesota tallgrass prairie.</td>
<td>BIOL—Biology</td>
<td>Poster/Display #26</td>
<td>1:40–2:20</td>
<td>CMU Basement Hallway</td>
</tr>
<tr>
<td>Stenger, Nancy</td>
<td>Money Doesn’t Grow on Trees: The environmental, economic, and global costs of deforestation in Costa Rica.</td>
<td>BIOL—Biology</td>
<td>Oral Presentation</td>
<td>2:00–2:20</td>
<td>CMU 205</td>
</tr>
<tr>
<td>Stenger, James</td>
<td>The Musical of Musicals</td>
<td>THTR—Theatre Arts</td>
<td>Performance and Talkback</td>
<td>2:30–4:30</td>
<td>Gaede Theatre</td>
</tr>
<tr>
<td>Stenson, Andrea</td>
<td>Post High School Aspirations of American Indian Students</td>
<td>PSY—Psychology</td>
<td>Oral Presentation</td>
<td>1:20–1:50</td>
<td>CMU 216</td>
</tr>
<tr>
<td>Stewart-James, Samantha</td>
<td>Synthesis and Characterization of a Dye-Sensitizer</td>
<td>CHEM—Chemistry</td>
<td>Poster/Display #52</td>
<td>1:40–2:20</td>
<td>CMU 2nd Floor Hallway</td>
</tr>
</tbody>
</table>
Stommes, Caroline  
_The Musical of Musicals_  
THTR—Theatre Arts  
Performance and Talkback  
2:30–4:30 • Gaede Theatre

Sutrisno, Randy  
_Testing Inheritability of Shy/Bold Personality Traits in Zebrafish Offspring_  
BIOL—Biology  
Poster/Display #37  
2:30–3:10 • CMU Main Lounge

Sutrisno, Randy  
_Common Garden Experiment in Convict Cichlid_  
BIOL—Biology  
Poster/Display #38  
9:30–10:10 • CMU 2nd Floor Hallway

Swanson, Courtney  
_Childhood Obesity_  
HLTH—Health  
Oral Presentation  
1:00–1:20 • Ballroom D

Tandukar, Smita  
_Sickle Cell Anemia_  
HLTH—Health  
Oral Presentation  
1:20–1:40 • CMU 214

Tanselle, Brett  
_Preserving the Past for the Future: Curation in Archaeological Practice_  
ANTH—Anthropology  
Poster/Display #4  
1:40–2:20 • CMU Basement Hallway

Teo, Wesley  
_Gaussian Accelerator_  
PHYS—Physics  
Poster/Display #115  
10:10–10:50 • CMU 2nd Floor Hallway

Teo, Wesley  
_Bragg Scattering and Atomic Force Microscopy_  
PHYS—Physics  
Poster/Display #116  
9:30–10:10 • CMU Main Lounge

Thapa, Sunita  
_Anemia_  
HLTH—Health  
Poster/Display #84  
9:30–10:10 • CMU Basement Hallway

Thorstad, Kai  
_The Necessity of Nature Writing_  
ENGL—English  
Oral Presentation  
9:30–1:40 • CMU 101

Thorson, Amy  
_The Relationship Between Poverty, Social Class, and Overall Health_  
SOC—Sociology  
Poster/Display #139  
2:30–3:10 • CMU Main Lounge

Thielges, Moriah  
_“The Power Of Questions: Divergent Thought in the 21st Century”_  
ART—Art and Design  
Oral Presentation  
2:30–2:50 • CMU 203

Thomas, Isaac  
_Obesity in the United States_  
HLTH—Health  
Poster/Display #82  
1:40–2:20 • CMU Basement Hallway

Thielges, Moriah  
_Guatemala’s Road to Development: An Economic Assessment._  
ECON—Economics  
Oral Presentation  
3:30–3:50 • Ballrom A

Thoma, Sunita  
_Amnesia_  
HLTH—Health  
Poster/Display #83  
9:30–10:10 • CMU 2nd Floor Hallway

Thein, John  
_Guatemala’s Road to Development: An Economic Assessment._  
ECON—Economics  
Oral Presentation  
3:30–3:50 • Ballroom A
Thuen, Aaron
What’s that Noise?
MUS—Music
Oral Presentation
2:50–3:10 • LO 0108

Thysell, Rachel
Conic Sections in the Taxicab Plane
MATH—Mathematics
Oral Presentation
10:30–10:50 • CMU 207

Tiegs-Marquardt, Taunia
The Internet and Pedophiles: Are Your Children at Risk?
MC—Mass Communications
Oral Presentation
2:50–3:10 • CMU 227

Tollefson, Christopher
Wagner’s Mythology
MUS—Music
Oral Presentation
9:50–10:10 • LO 0108

Toren, Michelle M.
Effect of order of stimulus presentation on releaser-induced recognition learning
BIOL—Biology
Oral Presentation
10:30–10:50 • CMU 205

Toren, Michelle
Decreasing child mortality in Africa through malaria prevention.
HLTH—Health
Poster #1
9:30–10:10 • CMU Main Lounge

Toren, Michelle
Behavioral modifications of Pimephales promelas infected with the brain parasite Ornithodiplostomum ptychocheilus in response to light cues.
BIOL—Biology
Poster/Display #50
9:30–10:10 • CMU Main Lounge

Tostenrud, Scott
Dead Again: A Senior Seminar Film
FILM—Film Studies
Film Screening
9:30–9:50 • LO 0102

Trosdahl, Laura
Expansion Outlook: Fergus Falls, MN
ECON—Economics
Oral Presentation
2:30–2:50 • Ballrom A

Troyer, Kaeley
Obesity in the United States
HLTH—Health
Poster/Display #82
1:40–2:20 • CMU Basement Hallway

Truitt, Danielle
Preserving the Past for the Future: Curation in Archaeological Practice
ANTH—Anthropology
Poster/Display #4
1:40–2:20 • CMU Basement Hallway

Undersander, Kiaja
Experimental infection of fat head minnows, Pimephales promelas, with the brain worm Ornithodiplostomum ptychocheilus, and testing if the infection leads to chemical signals being released from the infected fish
BIOL—Biology
Poster/Display #51
10:10–10:50 • CMU Main Lounge

Undersander, Kiaja R.
Effect of order of stimulus presentation on releaser-induced recognition learning
BIOL—Biology
Oral Presentation
10:30–10:50 • CMU 205

Unterseher, Bobbi Jo
Alzheimer’s Disease
HLTH—Health
Oral Presentation
10:30–10:50 • CMU 214

Upadhyay, Richa
Women Rights and Gender Inequality in Afghanistan
INTL—International Studies
Poster/Display #88
3:30–4:10 • CMU 2nd Floor Hallway
Conference Participants Listed Alphabetically by Last Name

Vandal, Brent
Feeding level and size-pairing impacts on intraspecific competition between fathead minnows
BIOL—Biology
Poster/Display #32
10:10–10:50 • CMU Main Lounge

Varvin, John
STOP KISS
THTR—Theatre Arts
Theatre Performance
9:30–11:30 • Glasrud Auditorium in Weld Hall
NOTE: Performance may run over 90 minutes

Vavrin, John
IF YOU GIVE A MOUSE A COOKIE
THTR—Theatre Arts
Theatre Performance
1:00–1:45 • Glasrud Auditorium in Weld Hall

Volrath, Amanda
Care of a Cancer Patient with Pain
NURS—Nursing
Poster/#Display #111
9:30–10:10 • CMU 2nd Floor Hallway

Wack, Catherine
A Disappearing and Reappearing Act: The Iconic Beard of Ancient Egyptian Pharaohs
ART—Art and Design
Oral Presentation
10:30–10:50 • CMU 203

Walker, Jasen
Improved Procedures for the N-Alkylation of Pyrazolidinone Rings Using Aldehydes and Sodium Borohydride
CHEM—Chemistry
Poster/Display #58
2:00–2:40 • CMU Basement Hallway

Walker, Jasen
Emergence of Antiviral Drug Resistance in Herpesviruses
BIOL—Biology
Oral Presentation
1:20–1:40 • CMU 205

Walker, Jasen L.
BIOL—Biology
Poster/Display #34
3:30–4:10 • CMU Main Lounge

Wallenborn, Jordyn
Transition from Childhood to Adulthood for Autistic Individuals
HLTH—Health
Oral Presentation
1:40–2:00 • CMU 214

Wallenborn, Jordyn
Educational Levels Adverse Affect on Health
SOC—Sociology
Poster/Display
10:10–10:50 • CMU Basement Hallway

Walseth, Chase
NAFTA: Negative effects that NAFTA has had on Mexico”.
INTL—International Studies
Oral Presentation
2:00–2:20 • CMU 214

Walseth, Chase
NAFTA: Negative effects on Mexico “The positive and

Walseth, Chase
NAFTA: Negative effects on Mexico “The positive and

Walski, Abbey
The Role of NHE in Directional Cellular Migration
BIOL—Biology
Poster/Display #44
2:30–3:10 • CMU 2nd Floor Hallway
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Location</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>Weets, Troy</td>
<td>The Media Wargames of Peter Watkins</td>
<td>FILM—Film Studies</td>
<td>9:50–10:10 • LO 0102</td>
</tr>
<tr>
<td>Weidman, Cory</td>
<td>Assessment of Rsk and Rock Phosphorylation of NHE1 on Cell Proliferation and Migration. CHEM—Chemistry</td>
<td>Poster/Display #65</td>
<td>9:30–10:10 • CMU Basement Hallway</td>
</tr>
<tr>
<td>Weir, Nicholas</td>
<td>Magnetic Moment</td>
<td>PHYS—Physics</td>
<td>1:00–1:40 • CMU Main Lounge</td>
</tr>
<tr>
<td>Weir, Nicholas</td>
<td>Recursive Ambiophonic Crosstalk Elimination</td>
<td>PHYS—Physics</td>
<td>1:40–2:20 • CMU 2nd Floor Hallway</td>
</tr>
<tr>
<td>Weir, Nicholas</td>
<td>Gaussian Accelerator</td>
<td>PHYS—Physics</td>
<td>10:10–10:50 • CMU 2nd Floor Hallway</td>
</tr>
<tr>
<td>Welgraven, Christina</td>
<td>The Virgin of Guadalupe: Syncretic Figure of Mexican Catholicism</td>
<td>HIST—History</td>
<td>9:30–9:50 • LO 0104</td>
</tr>
<tr>
<td>Welin, Emily</td>
<td>Return to the Farm</td>
<td>ENGL—English</td>
<td>9:30–1:40 • CMU 101</td>
</tr>
<tr>
<td>Wenner, Jennifer</td>
<td>Social Referencing During Inauthentic Emotional Situations</td>
<td>PSY—Psychology</td>
<td>1:40–2:20 • CMU 2nd Floor Hallway</td>
</tr>
<tr>
<td>Wentworth, Melissa</td>
<td>Wedding Photography by MwPhotography</td>
<td>ART—Art and Design</td>
<td>3:30–4:10 • CMU 2nd Floor Hallway</td>
</tr>
<tr>
<td>Werk, Joshua</td>
<td>Whats So Fishy About Fish Oils</td>
<td>AT—Athletic Training</td>
<td>3:30–4:10 • CMU 2nd Floor Hallway</td>
</tr>
<tr>
<td>Wicklund, Rebekah</td>
<td>The Cultural Relevance of Comics</td>
<td>ART—Art and Design</td>
<td>1:00–2:20 • CMU 203</td>
</tr>
<tr>
<td>Wiczk, Jacob</td>
<td>Spanish Conquistadors: Society Before and After Conquest.</td>
<td>HIST—History</td>
<td>9:50–10:10 • LO 0104</td>
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<tr>
<td>Wiest, Andrea</td>
<td>Preterm Births in the Scope of Epidemiology</td>
<td>HLTH—Health</td>
<td>10:10–10:30 • CMU 214</td>
</tr>
<tr>
<td>Winter, Jenna</td>
<td>Cardiovascular Disease</td>
<td>NURS—Nursing</td>
<td>9:30–10:10 • CMU Main Lounge</td>
</tr>
<tr>
<td>Wittner, Abbi</td>
<td>Does Piagetian Cognitive Ability Level Affect Student Ability To Accurately Perceive And Interpret Environmental Threats? CHEM—Chemistry</td>
<td>Oral Presentation</td>
<td>9:30–9:50 • CMU 207</td>
</tr>
</tbody>
</table>
Conference Participants Listed Alphabetically by Last Name

Wohlhuter, Amy
Methicillin-Resistant Staphylococcus Aureus in the Fargo-Moorhead Region
HLTH—Health
Oral Presentation
9:30–9:50 • CMU 214

Wohnoutka, Kyle
Stratigraphic significance of a fossiliferous shale in the lower part of the Raytown Limestone Member of the Iola Limestone (Upper Pennsylvanian) in eastern Kansas
GEOS—Geoscience
Poster/Display #79
1:40–2:20 • CMU 2nd Floor Hallway

Wold, Lauren
It’s Like A Stoner’s Paradise Man
SOC—Sociology
Oral Presentation
1:20–1:40 • CMU 208

Wright, Robert
University Housing Policy and the Bottom Line: Strange Bedfellows or Not?
ECON—Economics
Oral Presentation
9:50–10:10 • Ballrom B

Zenk, Amanda
The Rights of indigenous people within the framework of International Organizations and Non-governmental organizations.
INTL—International Studies
Poster/Display #90
2:30–3:10 • CMU 2nd Floor Hallway

Zeppelin, Jessica
The Boy with Stumbling Blocks
FILM—Film Studies
Oral Presentation
1:20–1:40 • LO 0102
Theater Performance
9:30–11:30
STOP KISS
THTR – Theatre Arts
Glasrud Auditorium in Weld Hall.
NOTE: Performance may run over 90 minutes
Carl Rottman, John Varvin,
Cheyne King, Ryan Soukup,
Courtney Schmidtkunz, Kimberly
Miller, Sarah Chamma, Heidi
Riffle, Meagan Kedrowski,
Carielle Henry, Amber Bracken,
Parker Shook, Cheyne King,
Dustin Beck, Kelly Nelson

Oral Presentation
9:30–1:40
An Animal Kingdom of Mishaps
ENGL – English
CMU 101
Crystal Pound

Down the Tracks: An Ecocritical
Examination of Progress and
Nature from Walden to Today
ENGL – English
CMU 101
Matthew Pullen

Henry David Thoreau’s
Vision of Man and Nature
ENGL – English
CMU 101
Chitrasen Parbhunath

Return to the Farm
ENGL – English
CMU 101
Emily Welin

The Land of 9,999 Lakes
ENGL – English
CMU 101
April Matson

The Necessity of Nature Writing
ENGL – English
CMU 101
Kai Thorstad

Film Screening
9:30–9:50
Dead Again: A Senior
Seminar Film
FILM – Film Studies
LO 0102
Marcus Mann, Scott Tostenrud

Oral Presentation
9:30–9:50
Discovering Bangladesh:
Halfway Around The World
CMST – Communication Studies
CMU 227
Tony Dahlen

Does Piagetian Cognitive Ability
Level Affect Student Ability
To Accurately Perceive And
Interpret Environmental Threats?
CHEM – Chemistry
CMU 207
Amanda Fay, Abbi
Wittner, David Bye

Economic Development
in Indian Country: Best
Practices and Possibilities
ECON – Economics
Ballroom B
Glen Marshall

Fa-So-La: The American Musical
Tradition of Sacred Harp
MUS – Music
LO 0108
Sarah Libby

Introducing Tibet
PHIL – Philosophy
CMU 216
Sonam Dekyi

Lasting Projects of the New
Deal in Fargo/Moorhead
ART – Art and Design
CMU 203
Jessica Lambertz
<table>
<thead>
<tr>
<th>Title</th>
<th>Presenter</th>
<th>Time</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methicillin-Resistant Staphylococcus Aureus in the Fargo-Moorhead Region</td>
<td>Amy Lavalla, Amy Wohlhuter, Brooke Harris, Kirsten Nies, Amy LaValla</td>
<td>9:30 – 10:10</td>
<td>CMU 214</td>
</tr>
<tr>
<td>The Virgin of Guadalupe: Syncretic Figure of Mexican Catholicism</td>
<td>Christina Welgraven</td>
<td>9:30 – 10:10</td>
<td>CMU 214</td>
</tr>
<tr>
<td>Toward a Sustainable Textbook Future - The Free, Open, and Digital Revolution</td>
<td>Allison Goldberg, Kyle Blake, Margaret Olatunbosun</td>
<td>9:30 – 10:10</td>
<td>CMU 214</td>
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<tr>
<td>A New Procedure for the Acylation of Pyrazolidinone Rings Using Mukayamas Reagent</td>
<td>Amie Nowacki</td>
<td>9:30 – 10:10</td>
<td>CMU 214</td>
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<tr>
<td>The Higher Immorality: An In-Depth Socio-Historical Analysis of Journalism in the United States.</td>
<td>Jessica Michelson</td>
<td>9:30 – 10:10</td>
<td>CMU 205</td>
</tr>
<tr>
<td>The Self in Relation to the Other: Recognizing Artificial Intelligence as Our Equal and as the Divine in Science Fiction Films</td>
<td>Suzanne Al-Kayali</td>
<td>9:30 – 10:10</td>
<td>CMU 205</td>
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<tr>
<td>Poster Displays</td>
<td></td>
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<tr>
<td>A Decade of Painted Turtle Ecology in Clay County, Minnesota What Have We Learned?</td>
<td>Feba Hauer, Kevin Kinter, Alane SauerJessica Nymark, Kevin Kinter</td>
<td>9:30 – 10:10</td>
<td>CMU Basement Hallway</td>
</tr>
<tr>
<td>A Novel Method to Generate IR Spectra of Solutes in Solution State</td>
<td>Etsehiwot Gebreselassie, Ruvimbo Chitemere</td>
<td>9:30 – 10:10</td>
<td>CMU Basement Hallway</td>
</tr>
<tr>
<td>A Test For Phenotypic Plasticity In The Ontogeny Of Skeletal Ossification In Larvae Of Two Species of Cichlids</td>
<td>DeAnna Rastedt, Ashley D. Remmick, Nicole D. Brokmeier, Justin A. Olson, Jason L. Walker, Jennifer D. Ringgold, Sarah E. Martinson</td>
<td>9:30 – 10:10</td>
<td>CMU Basement Hallway</td>
</tr>
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</table>
A Transcultural Nursing Experience in Nicaragua
*NURS – Nursing*
Poster #91
CMU Basement Hallway
Piper DeLaPointe, Heather Erickson, Piper DeLaPointe

Presentations listed by time

**Artistic Quality by Complexity and Type of Emotion.**
*PSY – Psychology*
Poster #131
CMU Basement Hallway
Grant Cameron

**Assessment of Rsk and Rock Phosphorylation of NHE1 on Cell Proliferation and Migration.**
*CHEM – Chemistry*
Poster #85
CMU Basement Hallway
Cory Weidman

**Acupuncture in our lives**
*AT – Athletic Training*
Poster #25
CMU Basement Hallway
Yusuke Nejo

**Anxiety**
*NURS – Nursing*
Poster #92
CMU Basement Hallway
Sanjog Dhungana, Sachin Bhandari

**Autonomic Dysreflexia: A Life Threatening Medical Condition**
*NURS – Nursing*
Poster #92
CMU Basement Hallway
Sanjog Dhungana, Sachin Bhandari

**Bacillus**
*Biol – Biology*
Poster #47
CMU Basement Hallway
Dana Dugger

**Artistic Quality by Beauty and Interestingness**
*PSY – Psychology*
Poster #132
CMU Basement Hallway
Derek Page

**Behavioral modifications of Pimephales promelas infected with the brain parasite Ornithodiplostomum ptychocheilus in response to light cues.**
*Biol – Biology*
Poster #50
CMU Main Lounge
Michelle Toren

**Bi-Parental Teaching by Fish**
*Biol – Biology*
Poster #41
CMU Main Lounge
Nicole Savageau, Kim Fritel

**Bragg Scattering and Atomic Force Microscopy**
*Physics – Physics*
Poster #116
CMU Main Lounge
Victoria Honetschlager, Pragalv Karki, Wesley Teo

**Capstone Experience—BDM Constructors**
*CM – Construction Management*
Poster #70
CMU Main Lounge
Bryan Franklin, Michael Kirby, Derek Bomstad

**Care of a Cancer Patient with Pain**
*NURS – Nursing*
Poster #111
CMU 2nd Floor Hallway
Amanda Volrath

**Cardiovascular Disease**
*NURS – Nursing*
Poster #106
CMU Main Lounge
Jenna Winter

**Dysfunctional Proliferation and Migration**
*CHEM – Chemistry*
Poster #85
CMU Basement Hallway
Cory Weidman
Caring for Patients in a Transcultural Nursing Setting
*NURS – Nursing*
Poster #99
CMU 2nd Floor Hallway
Jacquelyn Munson, Lordes Garcia

Caring for the Aging Population in a Rural Community: A Nursing Perspective
*NURS – Nursing*
Poster #107
CMU 2nd Floor Hallway
Kaley Fisk

Case study: Antipsychotic Medication Induced Parkinsonism
*NURS – Nursing*
Poster #103
CMU 2nd Floor Hallway
Arkady Millard

Chasing Lincoln’s Killer
*ENGL – English*
Poster #75
CMU 2nd Floor Hallway
Hannah Frink

Childhood Obesity
*HLTH – Health*
Poster #83
CMU 2nd Floor Hallway
Sanju Basnet, Kody Hass, Nabin Dangi, Smita Tankdukar

CM496 Downtown Moorhead Project
*CM – Construction Management*
Poster #68
CMU 2nd Floor Hallway
Anthony Erickson, Adam Brammer

Comparing a Children’s Film to the Literary Work that Inspired It
*EECE – Elementary and Early Childhood Education*
Poster #74
CMU 2nd Floor Hallway
Amber Short

Concussions: Can the effects linger for decades?
*AT – Athletic Training*
Poster #24
CMU 2nd Floor Hallway
Gregory Martodam

Conjugate Addition of Malononitrile to Unsaturated Carbonyls
*CHEM – Chemistry*
Poster #59
CMU 2nd Floor Hallway
Kiesha Bullock

Decreasing child mortality in Africa through malaria prevention.
*HLTH – Health*
Poster #1
CMU Basement Hallway
Arati Gurung, Brittany Harris, Aaron Rassat, Michelle Toren, Fidelia Maninga

Common Causes and Treatment for Chest Pain
*NURS – Nursing*
Poster #102
CMU 2nd Floor Hallway
Rachel Carry

Common Garden Experiment in Convict Cichlid
*Biol – Biology*
Poster #38
CMU 2nd Floor Hallway
Randy Sutrisno, Phillip Schotte

Community Acquired Methicillin Resistant Staphylococcus areus.
*NURS – Nursing*
Poster #97
CMU 2nd Floor Hallway
Aron Ellingson

CHEM – Chemistry
Poster #161
CMU Basement Hallway
Kristina Anderson

Oral Presentation
9:50–10:10

A Critical Analysis of Descartes’ Claim that ‘Animals are Machines’
PHIL – Philosophy
CMU 216
Adam Hasbargen

A Postmodern Pyramid: The Rhetoric in Radiohead’s Pyramid Song
CMST – Communication Studies
CMU 227
Grant Ertl

A test of a method for mass-training fish for applications in aquaculture.
BIOL – Biology
CMU 205
Justin Olson

Disappointing Maternal Death Rates in the United States
HLTH – Health
CMU 214
Samantha Kundinger, Sara Formanek, Lindsey Michaelson, Heather Morrison

Fashion Through The Lens
ART – Art and Design
CMU 203
Traci Burke, Megan Mack

Generating functions, and their relationship to convergent sequences.
MATH – Mathematics
CMU 207
Christopher Mehl

How Employment Opportunities Affect University Retention
ECON – Economics
Ballroom A
Luke Sperling

Lineage: Shooting on Location
FILM – Film Studies
Ballroom D
Joseph Kramer, Tara Kramer

Spanish Conquistadors: Society Before and After Conquest.
HIST – History
LO 0104
Jacob Wiczek

The Media Wargames of Peter Watkins
FILM – Film Studies
LO 0102
Troy Weets

The Over Diagnosis of ADHD
SOC – Sociology
CMU 208
Sky Purdin

University Housing Policy and the Bottom Line: Strange Bedfellows or Not?
ECON – Economics
Ballroom B
Robert Wright

Wagner’s Mythology
MUS – Music
LO 0108
Christopher Tollefson

Oral Presentations
10:10–10:30

“Malleable”: A Presentation of Sarah Poepping’s Photographic Series
ART – Art and Design
CMU 203
Sarah Poepping
A Reappraisal of Voice-over Narration

FILM – Film Studies
LO 0102
Tyler Sorensen

Bumper Expectations: The Effect of Revenue Insurance on Yield Volatility

ECON – Economics
Ballroom A
Nicholas Pates

Do trematode cercariae, Ornithodiplostomum ptychocheilus, employ inclusive fitness by acting as a food source for their intermediate host fathead minnow, Pimephales promelas?

BIOL – Biology
CMU 205
Tara Eichhorn

Geometric Constructions Using a Straightedge and a Compass

MATH – Mathematics
CMU 207
Madison Brantner, Melissa Montbriand

Hideyoshi Toyotomi - Policy and Politics in the Warring States period.

HIST – History
LO 0104
Shane Brownell

Identifying characteristics of conspiracy rhetoric in David Ray Griffin

CMST – Communication Studies
CMU 227
Matthew Lech

Modern Jazz Bass: Improvisational styles on the double bass

MUS – Music
LO 0108
Maxfield Johnk

Preterm Births in the Scope of Epidemiology

HIST – History
CMU 214
Tiara Bowman, Brittany Sherven, Andrea Wiest

The Relationships between Income and Health Insurance

SOC – Sociology
CMU 208
Dustin Beachem

The Social Impact of Chernobyl Disaster

HIST – History
Oral Presentation
Ballroom D
Avantika Singh, Atukoralage Indiware Perera

Utilizing Microsoft Kinect Controller for Affordable Robotic Navigation

PHYS – Physics
CMU 216
Steven Ruckdashel

What factors influence the location decisions of service-sector firms in Minnesota and North Dakota?

ECON – Economics
Ballrom B
Laura Lien

Poster Displays
10:10–10:50

Conjugate Additions to Unsaturated Carbonyls

CHEM – Chemistry
Poster/Display
Poster #61
CMU Basement Hallway
Pedro Flores Gallardo

Constructing a Walker Robot

PHYS – Physics
Poster #120
CMU Basement Hallway
Murshid Saqlain

Times and locations may have changed since the publication of this document. Please click on the Dragon logo at the bottom of the page to go to the Student Academic Conference website for the most up-to-date information.
Copper(II) Complexes of Pyridine-2, 6-bisamide Ligands
CHEM – Chemistry
Poster #54
CMU Basement Hallway
Kaitlyn Funk, Michelle Branch

Cybercrime on Campus
ACCT – Accounting
Poster #2
CMU Basement Hallway
Tharaka Muthukumarana, Nasheeba Shrestha

Cystic Fibrosis
AT – Athletic Training
Poster #22
CMU Basement Hallway
Rachael Ochs

Dazed and Confused
AT – Athletic Training
Poster #19
CMU Basement Hallway
Alexandra Mahmood

Does medical school cause health issues from stress and anxiety during the course of their schooling?
SOC – Sociology
Poster #140
CMU Basement Hallway
Brittany Harris, Ronak Habib

Does population carrying capacity in protists scale exponentially with temperature?
BIOL – Biology
Poster #31
CMU Basement Hallway
Ariel Gray, Ashlyn Kuklock, Jaclynn Kuklock

Does the amount of how much or how little sleep you get affect your health and overall health, more so for woman or men?
SOC – Sociology
Poster #144
CMU Basement Hallway
Kayla Abele

Domestic Violence and Health
SOC – Sociology
Poster #150
CMU Basement Hallway
Rachel Johnson

Drifts and Shifts of Influenza Virus and Immune Response
BIOL – Biology
Poster #46
CMU Basement Hallway
Finlay Marube

Early Photographic Process: Van Dyke Brown.
ART – Art and Design
Poster #15
CMU Basement Hallway
Kelsey Cain, Madalyn Mickelberg

Educational Levels Adverse Affect on Health
SOC – Sociology
Poster #152
CMU Basement Hallway
Chirantha Dissanayake, Jordyn Wallenborn

Effects of long-term unemployment on nutrition and health.
SOC – Sociology
Poster #155
CMU Basement Hallway
Chris Engelhorn

EM Survey at Historic Moorhead Site
ANTH – Anthropology
Poster #6
CMU Basement Hallway
Ashleigh Day

Evidence Based Practice in the Management of Acute Alcohol Detoxification
NURS – Nursing
Poster #104
CMU Main Lounge
Courtney Covey

Times and locations may have changed since the publication of this document. Please click on the Dragon logo at the bottom of the page to go to the Student Academic Conference website for the most up-to-date information.
Experimental infection of fathead minnows, Pimphelas promelas, with the brainworm Ornithodiplostomum ptychocheilusor, and testing if the infection leads to chemical signals being released from the infected fish

**BIOL – Biology**
Poster #51
CMU Main Lounge
Kiaja Undersander

Exploration of the relationship between the Cassava plant to the Taino people of the Greater Antilles.

**BIOL – Biology**
Poster #27
CMU Main Lounge
Kimberly Iwen, Nathaniel Jacob Arneson

Feeding level and size-pairing impacts on intraspecific competition between fathead minnows

**BIOL – Biology**
Poster #32
CMU Main Lounge
Harrison Pantera, Brent Vandal

Fort "Desolation" ND: Mortuary Analysis and Culture

**ANTH – Anthropology**
Poster #4
CMU Main Lounge
Larissa Harris, Jenna Clawson

Gaussian Accelerator

**PHYS – Physics**
Poster #115
CMU 2nd Floor Hallway
Wesley Teo

Gender Among The Lakota

**ANTH – Anthropology**
Poster #9
CMU 2nd Floor Hallway
Robert Jacobson

"Getting to Know You: Differing Perceptions of Online verses Face-to-face Self-Disclosures and Satisfaction in College Females"

**PSY – Psychology**
Poster #130
CMU 2nd Floor Hallway
Lexi Heringer

Government Nutritional Programs: Success of Failure?

**SOC – Sociology**
Poster #148
CMU 2nd Floor Hallway
Glen Marshall

Graphic Design and the proper way to layout a poster

**ART – Art and Design**
Poster #13
CMU 2nd Floor Hallway
Katie Hamness, Kaity O’Malley, Amber Nelson, Jacob Christenson, Whitney Lunn

Hands-on cultural learning; the story of a birch bark lodge

**ANTH – Anthropology**
Poster #8
CMU 2nd Floor Hallway
Athena Aitken

Happiness for a sound mind

**SOC – Sociology**
Poster #147
CMU 2nd Floor Hallway
Arati Gurung

Health Among the Homeless

**SOC – Sociology**
Poster #143
CMU 2nd Floor Hallway
Karryn Schwab

Health Literacy and Oncology Patient Education

**NURS – Nursing**
Poster #95
CMU 2nd Floor Hallway
Ashley Schmidt
Heath Insurance Coverage and Overall Health  
SOC – Sociology  
Poster #151  
CMU 2nd Floor Hallway  
Wendy LeBrun

High-yield synthesis of the semicarbazide adduct of cyanoborane  
CHEM – Chemistry  
Poster #55  
CMU 2nd Floor Hallway  
Ismail Banla, Taehyun Kim

HIV/AIDS: The silent threat to humanity.  
HLTH – Health  
Poster #85  
CMU 2nd Floor Hallway  
Margaret Olatunbosun, Durga Rijal, Christelle Lokenye, Landon Dybdal

How does religion, alcohol consumption, and socioeconomic status, affect the overall health of older adults?  
SOC – Sociology  
Poster #156  
CMU 2nd Floor Hallway  
Rebecca Scott

How the Belief Involving Prozac Affects Health  
SOC – Sociology  
Poster #154  
CMU 2nd Floor Hallway  
Chelsea Schmaltz

How to Make and Use a Pin Hole Camera  
ART – Art and Design  
Table Display  
CMU 2nd Floor Hallway  
Tiffany Boecker, Kayla Lagred, Dan Marsh

A Disappearing and Reappearing Act: The Iconic Beard of Ancient Egyptian Pharaohs  
ART – Art and Design  
CMU 203  
Catherine Wack

Oral Presentations  
10:30 - 10:50

Alzheimer’s Disease  
HLTH – Health  
CMU 214  
Jill Marketon, Bobbi Jo Unterseher, Katie Kne, Angela Jetvig

Beautifully Bald: Learning to Live with Alopecia through Self-Disclosure and Friendship  
CMST – Communication Studies  
CMU 227  
Brittany Lazur, Courtney Johnson

Conic Sections in the Taxicab Plane  
MATH – Mathematics  
CMU 207  
Alyssa Day, Rachel Thysell

Detecting How Isotope Decay Affects PET/CT Imaging  
PHYS – Physics  
CMU 216  
Kristin Brevik

Determinants of the Price of Smartphones  
ECON – Economics  
Ballrom A  
Robert Eden

Effect of order of stimulus presentation on releaser-induced recognition learning  
BIOL – Biology  
CMU 205  
Tara Eichhorn, Jessica A Michelson, Justin A Olson, Michelle M Toren, Kiaja R Undersander

Times and locations may have changed since the publication of this document. Please click on the Dragon logo at the bottom of the page to go to the Student Academic Conference website for the most up-to-date information.
Theatre Performance
1:00–1:45

IF YOU GIVE A MOUSE A COOKIE
THTR – Theatre Arts
Gladysrd Auditorium in Weld Hall
John Vavrin, Cheyne King,
Ryan Soukup, Cortney
Schmidkunz, Erin Granger

Oral Presentations
1:00–1:20

“The Unseen”
FILM – Film Studies
LO 0102
Ashley Alsum

Childhood Obesity
HLTH – Health
Oral Presentation
Ballroom D
Karryn Schwab, Shekhar Pandey,
Alisha Olson, Courtney Swanson

Colon Cancer
HLTH – Health
CMU 214
Kristen Bongard, Sagun Shahi,
Lhemi Lama, Jessica Fjeld

Effects of Employment on
Minnesota State University
Moorhead Students’ Grades
ECON – Economics
Ballroom B
Rachel Metzger

Every Drop Counts: An
Analysis of International Water
Markets and Pricing Policies
ECON – Economic
Ballrom A
Jacob Larsen

Form to Form: Music and
Art in the Baroque
MUS – Music
LO 0108
Cory Sailer

Human Security and Societal
Security Concerns in Post-
Taliban Afghanistan
POL – Political Science
CMU 207
James Sieben

Modulated Signal Transfer
PHYS – Physics
CMU 216
Benjamin Forsythe

Organics and Inorganics of
America and Costa Rica
BIOl – Biology
CMU 205
Lindsay Mitlyng, Jennifer Kelley

Pancho Villa and the
Mexican Revolution
HIST – History
LO 0104
Jose Ledezma

Importance of Education
and Health
SOC – Sociology
CMU 208
Brian Kariuki

In-Kind Transfers of Payment
ECON – Economics
Ballrom B
Joseph Bottrell

Judaism in Late Antiquity
HIST – History
LO 0104
Jose Ledezma

Make a Jazz Noise Here: The
Music of Frank Zappa
MUS – Music
LO 0108
Scott Kendall

The Psychology of
Documentary Design
FILM – Film Studies
LO 0102
Sarah Palm

On the Trash Trail
GEOS – Geoscience
Ballroom D
Michael Schreifels

…”for a mouse a cookie”

Times and locations may have changed since
the publication of this document. Please click
on the Dragon logo at the bottom of the page
to go to the Student Academic Conference
website for the most up-to-date information.
<table>
<thead>
<tr>
<th>Oral Presentations</th>
<th>1:00–2:20</th>
</tr>
</thead>
<tbody>
<tr>
<td>Earth Art of the 1960s and 70s</td>
<td>ART – Art and Design</td>
</tr>
<tr>
<td>Lewis Burris</td>
<td></td>
</tr>
<tr>
<td>Just Do It: Nike’s Takeover of Sports Design and Marketing</td>
<td>ART – Art and Design</td>
</tr>
<tr>
<td>Addie Borgh</td>
<td></td>
</tr>
<tr>
<td>The Cultural Relevance of Comics</td>
<td>ART – Art and Design</td>
</tr>
<tr>
<td>Rebekah Wicklund</td>
<td></td>
</tr>
<tr>
<td>The Direction of Interactive Design</td>
<td>ART – Art and Design</td>
</tr>
<tr>
<td>Jacob Christenson</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Poster Displays</th>
<th>1:00–1:40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impact of NHE1 Phosphorylation by Ribosomal S-6 kinase and RhoA kinase on ERM binding and cell motility</td>
<td>CHEM – Chemistry</td>
</tr>
<tr>
<td>Katelin Hansen, Kathrine Cork, Keely Huso</td>
<td></td>
</tr>
<tr>
<td>How to Prevent Internal Fraud</td>
<td>ACCT – Accounting</td>
</tr>
<tr>
<td>Lewis Burris</td>
<td></td>
</tr>
<tr>
<td>How you Read to Kids Matters: Efficacy of Specific Techniques in Repeated Read Alouds</td>
<td>PST – Psychology</td>
</tr>
<tr>
<td>Addie Borgh</td>
<td></td>
</tr>
<tr>
<td>In Silico Analysis and Molecular Dissection of the PPDK:PD2P Interaction</td>
<td>BIOL – Biology</td>
</tr>
<tr>
<td>Jacob Christenson</td>
<td></td>
</tr>
<tr>
<td>In vivo EPR signal reduction of spin-labeled free radicals in living mice</td>
<td>CHEM – Chemistry</td>
</tr>
<tr>
<td>Victoria Honetschlager</td>
<td></td>
</tr>
<tr>
<td>Investigations of biochemical and molecular mechanisms of systemic acquired resistance in Cucumis sativus</td>
<td>BIOL – Biology</td>
</tr>
<tr>
<td>Natalia Belavina</td>
<td></td>
</tr>
<tr>
<td>KAATSU Training</td>
<td>AT – Athletic Training</td>
</tr>
<tr>
<td>Takuto Kondo</td>
<td></td>
</tr>
<tr>
<td>Labor and Delivery Nursing: A Student’s Perspective</td>
<td>NURS – Nursing</td>
</tr>
<tr>
<td>Carmen Parsley</td>
<td></td>
</tr>
<tr>
<td>Liking and Eroticism in Evaluations of the Visual Arts</td>
<td>PSY – Psychology</td>
</tr>
<tr>
<td>Dylan O’Brien</td>
<td></td>
</tr>
</tbody>
</table>

Times and locations may have changed since the publication of this document. Please click on the Dragon logo at the bottom of the page to go to the Student Academic Conference website for the most up-to-date information.
<table>
<thead>
<tr>
<th>Presentation</th>
<th>Department</th>
<th>Poster #</th>
<th>Location</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lyme Disease Prevalence in South-Eastern North Dakota</td>
<td>BIOL – Biology</td>
<td>#43</td>
<td>CMU Basement Hallway</td>
<td>Daisy Boatey</td>
</tr>
<tr>
<td>Media’s Influence on Body Image: An Eye Tracking Study</td>
<td>PST – Psychology</td>
<td>#126</td>
<td>CMU Main Lounge</td>
<td>Jennifer Livingood, Jacquelyn Schmidt</td>
</tr>
<tr>
<td>Neologisms: the death of English and birth of new American</td>
<td>ANTH – Anthropology</td>
<td>#10</td>
<td>CMU 2nd Floor Hallway</td>
<td>Eric Olson</td>
</tr>
<tr>
<td>Magnetic Moment</td>
<td>PHYS – Physics</td>
<td>#118</td>
<td>CMU Main Lounge</td>
<td>Alycia Bergeson, DJ Houk, Nicholas Weir</td>
</tr>
<tr>
<td>Medical-Surgical Nursing</td>
<td>NURS – Nursing</td>
<td>#105</td>
<td>CMU Main Lounge</td>
<td>Christopher Moore</td>
</tr>
<tr>
<td>Nickel Partitioning</td>
<td>GEOS – Geoscience</td>
<td>#117</td>
<td>CMU Main Lounge</td>
<td>Jordana Anderson, Samantha Buhr, Timothy Erickson</td>
</tr>
<tr>
<td>Magnetic Susceptibility and the Superconducting Transition</td>
<td>PHYS – Physics</td>
<td>#117</td>
<td>CMU Main Lounge</td>
<td>Christopher Moore</td>
</tr>
<tr>
<td>Migraines</td>
<td>AT – Athletic Training</td>
<td>#23</td>
<td>CMU 2nd Floor Hallway</td>
<td>Mark McIntire</td>
</tr>
<tr>
<td>Noodles And Company</td>
<td>CM – Construction Management</td>
<td>#72</td>
<td>CMU 2nd Floor Hallway</td>
<td>Phillip Eslinger, John Bell, John Bellon</td>
</tr>
<tr>
<td>Match.com-What’s your blood group?</td>
<td>BIOL – Biology</td>
<td>#48</td>
<td>CMU Main Lounge</td>
<td>Heather Sorenson</td>
</tr>
<tr>
<td>Measuring NHE activity with fluorescence microscopy.</td>
<td>CHEM – Chemistry</td>
<td>#67</td>
<td>CMU Main Lounge</td>
<td>Nicholas Berthelsen</td>
</tr>
<tr>
<td>Music-Induced Hearing Loss and the Collegiate Musicist</td>
<td>SLHS – Speech, Language &amp; Hearing Science</td>
<td>#138</td>
<td>CMU 2nd Floor Hallway</td>
<td>Maria Lendobeja</td>
</tr>
<tr>
<td>Nuclear Magnetic Resonance</td>
<td>PHYS – Physics</td>
<td>#77</td>
<td>CMU Main Lounge</td>
<td>Christopher Moore</td>
</tr>
<tr>
<td>Music’s Effect on Helping Behavior in Second Life</td>
<td>PST – Psychology</td>
<td>#124</td>
<td>CMU 2nd Floor Hallway</td>
<td>Ethan Dahl, Casey Lloyd</td>
</tr>
<tr>
<td>Nursing Around the World: One Student’s Experience in Guatemala</td>
<td>NURS – Nursing</td>
<td>#98</td>
<td>CMU 2nd Floor Hallway</td>
<td>Alena Deutschlander, Heidi Banick</td>
</tr>
</tbody>
</table>

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**Nursing Care After A Coronary Artery Bypass Graft: Preventing Complications**  
*NURS – Nursing*  
Poster #108  
CMU 2nd Floor Hallway  
Aimee Laurencelle

**Relationship of man-made chemicals and human health**  
*SOC – Sociology*  
CMU 2nd Floor Hallway  
Neville Lambourne

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### Oral Presentations 1:20–1:40

**An Assessment on the Republican Candidates for the 2012 Election.**  
*CMST – Communication Studies*  
CMU 227  
Danielle Saul

**Emergence of Antiviral Drug Resistance in Herpesviruses**  
*Biol – Biology*  
CMU 205  
Jasen Walker

**Hugo Chavez - The rise of a new age dictator**  
*Hist – History*  
LO 0104  
Dominique Rolando

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**It’s Like A Stoner’s Paradise Man**  
*SOC – Sociology*  
CMU 208  
Jennifer Harzke, Lauren Wold

**John Coltrane’s quest for a freedom**  
*MUS – Music*  
LO 0108  
Yuki Harada

**Millennium Development Goals & Their Impact in Contemporary Africa: Healing the Heart of Darkness, or skirting it?**  
*POL – Political Science*  
CMU 207  
Kyle Evens

**Sickle Cell Anemia**  
*HLTH – Health*  
CMU 214  
Christian Nwabufo, Emmanuel Fohle, Smita Tandukar, Collins Max Jerry

**The Boy with Stumbling Blocks**  
*Film – Film Studies*  
LO 0102  
Jessica Zeppelin

**The U.S. Corporate Tax System: Is Uncle Sam Encouraging Investment Abroad?**  
*ECON – Economics*  
Ballrom A  
Peter McCallum

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### Oral Presentations 1:20–1:50

**Post High School Aspirations of American Indian Students**  
*PSY – Psychology*  
CMU 216  
Andrea Stenson, Raina Heruth, Jered Pigeon

**Investigation of calcineurin B homologous protein isoform 2 regulation of Na+/H+ exchanger. A potential novel therapeutic target to treat non-small cell lung cancer.**  
*CHEM – Chemistry*  
Ballroom D  
Kristina Anderson

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### Oral Presentations 1:20–2:00

**The Years- An Exploration of Feminist Film**  
*Film – Film Studies*  
LO 0101  
Kristen Conaty, Ivan Clow

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### Oral Presentations 1:40–2:00

**“A Fine Frenzy”: Gender Dynamics in “A Midsummer Night’s Dream”**
ENGL – English
CMU 101
Vanessa Perkins

**Duke Ellington: A True Innovator**
MUS – Music
LO 0108
Jordan Christianson

**Hunger-Something to Grumble About**
CMST – Communication Studies
CMU 227
Rebecca Spanier, Karly Mackedanz

**Redecorating Film Adaptation: Problems and Possibilities**
FILM – Film Studies
LO 0102
Jesse Balzer

**Refugees, Opportunities, and Fargo: An Economic Relationship**
ECON – Economics
Ballroom A
Vaneesha Dusoruth

**Role of Women in the Third Reich**
HIST – History
LO 0104
Corinne Edgerton

**Shopping at Farmers Markets vs. Large Supermarkets**
BIOl – Biology
CMU 205
Phillip Schotte, Heather North

**The Internet and International Security**
POL – Political Science
CMU 207
Nathan Mack

**Transition from Childhood to Adulthood for Autistic Individuals**
HLTH – Health
CMU 214
Chiranthana Dissanayake, Kristin Grenz, Tyler Carson, Adam Kappes, Jordyn Wallenborn

### Workshop 1:40–2:10

**Make the next facebook: Developing a webapp on Google App Engine**
CSIS – Computer Science and Information Systems
Ballroom D
Sri Krishna Kadimisetty

### Poster Displays 1:40–2:20

**Obesity in the United States**
HLTH – Health
Poster #82
CMU Basement Hallway
Sara Meidinger, Isaac Thomas, Carly Helfrich, Kaeley Troyer

**Obstetric Nursing**
NURS – Nursing
Poster #109
CMU Basement Hallway
Lindsey Imdieke

**Parental teaching by fish biparental**
BIOl – Biology
Poster #39
CMU Basement Hallway
Kim Fritel, Nicole Savageau

**Petrichor Images: Vanessa Gamelin Photography**
ART – Art and Design
Poster #17
CMU Basement Hallway
Vanessa Gamelin

**Prehistoric Settlement in Swift County, Minnesota**
ANTH – Anthropology
Poster #11
CMU Basement Hallway
Katie Jacobson
Preliminary genetic analysis of Lasio glossum (Dialictus) spp. (Hymenoptera: Apoidea) of western Minnesota tallgrass prairie.

**BIOI – Biology**
Poster #26
CMU Basement Hallway

Nancy Stenger, Karsten Nash, Rachel Walsh, Emmanuel Fohle, Angela McCollam

Preparation of Imines and Investigation of their Conjugate Additions to Unsaturated Carboxyls

**CHEM – Chemistry**
Poster #60
CMU Basement Hallway

Arjun Kafle

Preparation of Tetrahydroisoquinoline-Derived Azomethine Ylide Dipoles and Investigation of their Cycloaddition to Unsaturated Acyl Pyrazolidinones

**CHEM – Chemistry**
Poster #57
CMU Basement Hallway

Zachary Morseth

Preserving the Past for the Future: Curation in Archaeological Practice

**ANTH – Anthropology**
Poster #4
CMU Basement Hallway

Brett Tanselle, Danielle Truitt

Prevent Deep Vein Thrombosis on a Medical/Surgical Flood

**NURS – Nursing**
Poster #110
CMU Basement Hallway

Alicia Saue

Preventing Post-Surgical Complications

**NURS – Nursing**
Poster #101
CMU Main Lounge

Courtney Conyers

Public Health Nursing in Guatemala

**NURS – Nursing**
Poster #100
CMU Main Lounge

Lourdes Garcia

Recursive Ambiophonic Crosstalk Elimination

**PHYS – Physics**
Poster #122
CMU Main Lounge

Nicholas Weir

Science Discovery Camp for Middle School Students

**BIOI – Biology**
Poster #29
CMU Main Lounge

Mitchell Lakner, Renek Jorgenson

Shared Sounds and Spellings Affect Explicit and Implicit Memory Tests

**PSY – Psychology**
Poster #125
CMU Main Lounge

Farryn Helm, Carole Bracshayko

Shining a Light on Acne

**BIOI – Biology**
Poster #49
CMU 2nd Floor Hallway

Sabrina Sam

Should I Stay or Should I Go?: Positive Illusions, Jealousy, and Commitment in Romantic Relationships

**PSY – Psychology**
Poster #129
CMU 2nd Floor Hallway

Lisa Dowers

Social Referencing During Inauthentic Emotional Situations

**PSY – Psychology**
Poster #127
CMU 2nd Floor Hallway

Jennifer Wenner, Allyson Schann, Natalie Avey

Conference Schedule Table of Contents
Stabilization of Carbon Emissions
HON – Honors
Poster #87
CMU 2nd Floor Hallway
Jessica Belden

Stratigraphic significance of a fossiliferous shale in the lower part of the Raytown Limestone Member of the Iola Limestone (Upper Pennsylvanian) in eastern Kansas
GEOS – Geoscience
Poster #79
CMU 2nd Floor Hallway
Scott Flores, Kyle Wohnoutka, Gerardo Rodriguez, Kaitlyn Nelson

Sub-Zero Contractor’s Recreational Renovation
CM – Construction Management
Poster #69
CMU 2nd Floor Hallway
Jordan Korczak, Kelly Ham, Justin Filas

HLTH – Health
Poster #81
CMU 2nd Floor Hallway
Carly Kalina, Jenna Peper, Kabina Chaulagain

Supercross Track
CM – Construction Management
Poster #71
CMU 2nd Floor Hallway
Christopher Roach, Zachary Hill, Anup Adhikari, Ryan Seidel

Synthesis and Characterization of a Dye-Sensitizer
CHEM – Chemistry
Poster #52
CMU 2nd Floor Hallway
Samantha Stewart-James, Gifty Fokuo

Synthesis of a new Cyanoborane polymer with a trigonal planar boron.
CHEM – Chemistry
Poster #56
CMU 2nd Floor Hallway
Taehyun Kim, Ismael Banla

Oral Presentations
1:50–2:10
Los Pazos de Ulloa and the Naturalism Movement in Spain
SPAN – Spanish
CMU 216
Kelsey Indergaard

Oral Presentations
2:00–2:20
“Where is the Duende?”: An Approach to Understanding Poetry for All Readers
ENGL – English
CMU 101
Logan Herold

Does the National Basketball Association’s Soft Salary Cap Increase Competitive Parity?
ECON – Economics
Ballroom A
Kegan Reiswig

Living Learning Communities and retention rate.
CMST – Communication Studies
CMU 227
Allison Berger, Jeanne Hettich, James Borgen

Money Doesn’t Grow on Trees: The environmental, economic, and global costs of deforestation in Costa Rica.
BIOL – Biology
CMU 208
Danielle Kuperus, Nancy Stenger

Music on the Brain
MUS – Music
LO 0108
James Sandifer
NAFTA: Negative effects on Mexico “The positive and negative effects that NAFTA has had on Mexico”
INTL – International Studies
CMU 214
Chase Walseth

Naturschutz: Policy or Excuse? Examining the Environmental Policies of Germany’s Nazi Regime.
HIST – History
LO 0104
Ashley St Sauver

The Extra-Amazing Adventures of Extraman and Extragirl
FILM – Film Studies
LO 0102
Craig Larson, Mitchell Miller, Nathan Bergeson

**Poster Displays 2:00–2:40**

Improved Procedures for the N-Alkylation of Pyrazolidinone Rings Using Aldehydes and Sodium Borohydride
CHEM – Chemistry
Poster #58
CMU Basement Hallway
Jasen Walker

Oral Presentations 2:10–2:30

Shakespeare’s The Merry Wives of Windsor: Adapting Shakespeare for Contemporary Audiences
THTR – Theatre Arts
CMU 216
Maggie Olson

**Theatre Performance 2:30–4:40**

The Musical of Musicals
THTR – Theatre Arts
Gaede Theatre
Tariq Muwahid, Klarissa Pudwill, Tierney Michon, Sarah Dewhirst, Nicholas Kaspari, Matthew Englund, Caroline Stommes, Nikko Raymo, Holli Richgels, Chandler Cline, James Stenger, Sara Hysjulien, Heidi Riffle, Meagan Kedrowski, William Schnase, Dustin Beck

Fundamentals of Play Directing
THTR – Theatre Arts
Ballroom D
Alexander Holmquist

Ganga Ma: Revered by millions, polluted by all
INTL – International Studies
CMU 214
Laren Lamb

Hijacking Cultural Momentum: Steinbeck’s Use of the Archetypal Image of Christ in The Grapes of Wrath
ENGL – English
CMU 101
Michael Lobdell

Expansion Outlook: Fergus Falls, MN
ECON – Economics
Ballrom A
Laura Trosdahl

Farming Techniques in Costa Rica vs. United States
BIOL – Biology
CMU 205
Jacinta David, Joanna Lock, Jase Beck

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Jasen Walker

Oral Presentations 2:30–2:50

Benito Juarez
HIST – History
LO 0104
Fidelia Maninga
Honors Apprentices: Service and Challenge
HON – Honors
CMU 227
Janet Aarness, Nick Enger, Dom Rolando, Jessy Belden

The New Performer Modern performance in classical music
MUS – Music
LO 0108
Eric Guttormson

ART – Art and Design
CMU 203
Moriah Thielges

The responsibility to protect as an emerging norm of international law
POL – Political Science
CMU 207
Christopher Kettering

“The Surviving Chinese Jewish Community”
HIST – History
CMU 216
Eric Rothberg

 Oral Presentations
2:30–3:30

Film 472 Advanced Video Production Client Videos
FILM – Film Studies
LO 0101
Heather Alvar, Joshua Resch, Benjamin Pimlott

The Unseen: A Senior Seminar Film
FILM – Film Studies
LO 0102
Kathleen Kretchmer

 Poster Displays
2:30–3:10

Television’s Impact on Health
SOC – Sociology
Poster #142
CMU Main Lounge
Kristen Bongard, Erin Durken

Testing Inheritability of Shy/Bold Personality Traits in Zebrafish Offspring
BIOL – Biology
Poster #37
CMU Main Lounge
Cory Sailer, Sonny Radenic, Randy Sutrisno

The affects of exotic earthworms on Big Bluestem, Andropogon gerardii, prairie plants
BIOL – Biology
Poster #36
CMU Main Lounge
Amy Moorhouse, Brittany Beers

The Effect of Internet Use on Health
SOC – Sociology
Poster #149
CMU Main Lounge
Briana Magrum

The effect of prone positioning in patients with Acute Respiratory Distress Syndrome (ARDS).
NURS – Nursing
Poster #113
CMU Main Lounge
Molly Breen

The Future of Time Perspective
PSY – Psychology
Poster #134
CMU Main Lounge
Dylan O’Brien

The IMF and the Third World
POL – Political Science
Poster #123
CMU Main Lounge
Dustin Sobolik
The Influence of Alcohol Use on Health  
*SOC – Sociology*  
Poster #145  
CMU MaIn Lounge  
**Jenna Peper**

The Relationship Between Poverty, Social Class, and Overall Health  
*SOC – Sociology*  
Poster #139  
CMU MaIn Lounge  
**Amy Thorson, Shannon Grossman**

The Relationship between the number of hours of Television watched and one’s Health  
*SOC – Sociology*  
Poster #141  
CMU MaIn Lounge  
**Kristen Bongard, Erin Durken**

The Relationship with Smoking and your Health  
*SOC – Sociology*  
Poster #146  
CMU 2nd Floor Hallway  
**Cynthia Marier**

The Rights of Indigenous people within the framework of International Organizations and Non-governmental organizations.  
*INTL – International Studies*  
Poster #90  
CMU 2nd Floor Hallway  
**Amanda Zenk**

The Role of NHE in Directional Cellular Migration  
*Biol – Biology*  
Poster #44  
CMU 2nd Floor Hallway  
**Abbey Walski**

The Role of NHE1 Transmembrane Protein in Stress Fiber Formation  
*Chem – Chemistry*  
Poster #66  
CMU 2nd Floor Hallway  
**Rubi Gutierrez**

The significance of the RSK and ROCK phosphorylation sites of NHE1 and their role in the regulation of cellular migration  
*Biol – Biology*  
Poster #45  
CMU 2nd Floor Hallway  
**Andrew Dornbusch**

The Spanish Immersion Classroom and Beyond: An Investigation of Vocabulary Discrepancies  
*Psy – Psychology*  
Poster #136  
CMU 2nd Floor Hallway  
**Jessica Remhof**

The Unknown Work of Vivian Maier  
*Art and Design*  
Poster #16  
CMU 2nd Floor Hallway  
**Julian Dahlquist**

There is More to Panama than the Panama Canal  
*Geos – Geoscience*  
Poster #78  
CMU 2nd Floor Hallway  
**Paige Erickson, Margaret Casey**

**Oral Presentations**  
2:50–3:10

Comic Robots in Sci-Fi Films Or I Know What You Did Last Childhood  
*Film Studies*  
LO 0102  
**Fernanda deOliveira**
Increased Sales in the Fourth Quarter: How Wal-Mart’s Sales Impact the Retail Industry

*ECON – Economics*
Ballrom A
Aaron Ato-Davies

Li Hung-Chang, Sergei Witte and the Chinese Eastern Railway, 1887-1900

*HIST – History*
LO 0104
Bradley Madsen

Nepal’s Survival between two Giants (Nepal’s foreign policy strategies vis-a-vis India and China)

*INTL – International Studies*
CMU 208
Sunil Paudel

The Internet and Pedophiles: Are Your Children at Risk?

*MC – Mass Communications*
CMU 227
Taunia Tiegs-Marquardt

The Undeclared Student: Exploration and Strategies

*ENGL – English*
CMU 101
Kimberly Ehrlich

Tribal Governments and the Effects of the U.S. Political System

*POL – Political Science*
CMU 207
Sarah Butrum

What’s that Noise?

*MUS – Music*
LO 0108
Aaron Thuen

**Oral Presentations**
3:10–3:30

A closer look into the hydroelectricity projects of Nepal

*INTL – International Studies*
CMU 208
Bibhusha Karki

k-Gibonacci Numbers and Permutation Statistics

*MATH – Mathematics*
CMU 207
Jonathan Rue

The Role of Trade and Foreign Direct Investments in the Economic Growth of Sub-Saharan African Countries.

*ECON – Economics*
Ballrom A
Zuweina Mohamed

White Science Fiction of America

*FILM – Film Studies*
LO 0102
Hotaka Demura

**Oral Presentations**
3:10–3:20

Behind the Sound: An Inside Look at Live Audio Production

*MUS – Music*
LO 0108
David Kolar

Debate
2:50–3:20

Designer Babies

*CCGE – Corrick Center for General Education*
CMU 205
Alyssa Olson, Shana Heuer, Caitlyn Holowell, Ivy Schueller, Yalonda Nelson

**Oral Presentations**
3:10–3:30

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Presentations listed by time

Times and locations may have changed since the publication of this document. Please click on the Dragon logo at the bottom of the page to go to the Student Academic Conference website for the most up-to-date information.

Oral Presentations
3:10–3:40

How Atheists Can Get Into Heaven: Christopher Hitchens and the Catholic Church
ENGL – English
CMU 101
John Goerke

Marketing Electric Bikes in Canada: An overview of the Canadian Market
MKTG – Marketing
CMU 227
Grant Hagen

Oral Presentations
3:20–3:40

Forensic Accounting: A Research Study
ACCT – Accounting
LO 0108
Sujata Sherchan, Aisha Mohamed, Mallika Koirala

Moorhead Gangs
CJ – Criminal Justice
CMU 203
Crystal Smith

Oral Presentations
3:30–3:50

Analyzing Human Rights in Science Fiction Films
FILM – Film Studies
LO 0102
Conor Holt

Construction Management Capstone Experience - Multi-unit housing development
CM – Construction Management
CMU 207
Corey Bronczyk, Joshua Ridler, Lucas Menton

Guatemala’s Road to Development: An Economic Assessment.
ECON – Economics
Ballrom A
John Thein

The Specter of Intervention: British Foreign Policy Pertaining to the American Civil War
HIST – History
LO 0101
Eugene Branstiter

The Unseen: A Senior Seminar Film
FILM – Film Studies
LO 0102
Kathleen Kretchmer

Poster Displays
3:30–4:10

Transcultural Nursing in Guatemala
NURS – Nursing
Poster #93
CMU Main Lounge
Lindsay Krabbenhoft, Shelby Doris Rossow

Transcultural Nursing in Guatemala
NURS – Nursing
Poster #94
CMU Main Lounge
Shelby Rossow, Lindsay Margaret Krabbenhoft

Transcultural Nursing; What I thought I knew, what I learned, and the differences.
NURS – Nursing
Poster #96
CMU Main Lounge
Susan Ross

Transition to Sustainable Energy
ECON – Economics
Poster #73
CMU Main Lounge
Fariha Rahman

Poster Displays
3:30–4:10

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Susan Ross

Transition to Sustainable Energy
ECON – Economics
Poster #73
CMU Main Lounge
Fariha Rahman
Understanding the neurological basis of LSD

**BIOL – Biology**
Poster #42
CMU Main Lounge
Manasvi Kulshrestha

Urban Canada Geese in Moorhead, Minnesota: How Many are Too Many?

**BIOL – Biology**
Poster #33
CMU Main Lounge
DeAnna Rastedt, Kyle Kosak, Christina Sadowski


**BIOL – Biology**
Poster #34
CMU Main Lounge
DeAnna Rastedt, Ashley D. Remmick, Jasen L. Walker

Vocal Cord Disorder: The Mistaken Wheeze

**AT – Athletic Training**
Poster #80
CMU Main Lounge
Amber Brandenburger

Water contamination and health

**SOC – Sociology**
Poster #183
CMU Main Lounge
Samuel Getty

Wet Site Archaeology: An Overview.

**ANTH – Anthropology**
Poster #7
CMU 2nd Floor Hallway
Sara Kram

Virtual Sexual Aggression: The Real Life Correlates of BDSM and Rape Simulations in Second Life

**PSY – Psychology**
Poster #135
CMU Main Lounge
Kelsey Johnson

Women’s health-human papillomavirus

**NURS – Nursing**
Poster #114
CMU 2nd Floor Hallway
Tonia Lofgren

X-ray spectroscopy

**PHYS – Physics**
Poster #119
CMU 2nd Floor Hallway
Dillon, Ishan Mani Subedi

**Table Display 3:30–4:10**

Wedding Photography by MwPhotography

**ART – Art and Design**
CMU 2nd Floor Hallway
Melissa Wentworth