

Presentation Schedule

Oral Presentations - 3:00-3:30

Mickayla Klein and Natalie Jepessen – TLEC 111

Our goal is to find an inexpensive and convenient medium for ballistics testing. We will report on the ration of water to newspaper for a comparative density to Perma-Gel ballistics gelatin. Our data will consist of the depth of penetration and expansion of 9mm and .22 caliber bullets.

Daniel Miller – TLEC 113

Using a combination of class surveys and video recording, this study looks at student evaluation of teacher effectiveness paired with non-verbal interactions with the class by the instructor in order to determine desirable in-class interaction methods between students and teachers for the purpose of the optimization of teacher effectiveness.

Jessica Williams – TLEC 104

The purpose of this correlational study is to examine the relationship between the age an individual was adopted and their self-esteem in adulthood. The effect of the biological parental relationship on the adoptee is also considered. Participants were adoptees 19 and older completing a self-esteem survey and related adoption questions.

Margaret McGill – TLEC 201

The purpose of this study was to determine if there is a relationship between working on an art project and mood. Thirteen undergraduate students completed two surveys about their mood before and after working on an art project for twenty minutes. The materials provided were seven different drawing utensils, play dough, coloring books, and blank paper.

Oral Presentations - 3:30-4:00

Erienne TeSelle, Nick Mann, & Tory Petz – TLEC 111

Through ballistic field testing, data was generated describing how caliber of ballistic projectile influences size of secondary glass projectiles. As the bullet impacts brittle materials, like glass, and induces failure, kinetic energy is transferred to the resultant fragments. Results are beneficial to the general public, and additionally law enforcement officers.

Audrey Quick – TLEC 113

This study examines some of the perceptions of aging held by students at a Midwestern Christian University. Four qualitative interviews were conducted as students related their thoughts and experiences with older adults. This study found several emergent themes in the interviews that addressed both positive and negatives of the aging process.

Sarah Schmitt – TLEC 104

The purpose of this study was to examine the relationship between perceived religious perfectionism and life satisfaction. The relationship between high and low religious perfectionism and life satisfaction was also examined. Participants completed a survey about perceived religious perfectionism and life satisfaction.

Nathan Von Rentzell and Adam Prahlow – TLEC 201

Close-range gunshots typically deposit gunpowder on the wound and surrounding area, and this gunpowder dispersion pattern is termed stippling. In this research, we compare the stippling effect of two types of gunpowder, spherical ball and unperforated flake, and how they differ when fired from various lengths.

Oral Presentations - 4:00-4:30

Bryce Tellmann – TLEC 111

This qualitative research study examines perceptions of public relations among members of a small Midwestern community and a Christian university. Research was conducted by examining conversations of professional, student, and community focus groups. The discussions of the focus groups were recorded and transcribed, and common themes of perception were identified.

Kelsie Johnson – TLEC 113

The purpose of this study was to examine the relationship between self-esteem and extracurricular involvement during high school. The effect of activity type and gender on this relationship was also considered. 100 Concordia University students completed an anonymous survey reflecting on their extracurricular involvement and self-esteem during high school.

John Chatwell and Lauren Root- TLEC 104

This project will test penetration resistance of textbooks against a 9mm caliber bullet shot close range from a Sig semi-automatic pistol. Data on the resistance power of the textbooks when penetrated by the bullets will be recorded and will evaluate how effective textbooks are as potential body armor in the incident of for example, a school shooting.

Bethany Osberg – TLEC 201

The purpose of this study was to examine the effects of listening to classical music on an individual's current anxiety level. Twenty-two Concordia University, Nebraska undergraduates recorded their current anxiety level, listened to ten minutes of classical music, and then recorded their current anxiety level a second time.

Oral Presentations - 4:30-5:00

Codi Kargle – TLEC 111

The purpose of this study was to determine if the relationship between physical activity and stress level is the same for college female athletes and college female non-athletes. Female students completed a survey tracking their amount of physical activity and ranking their stress levels for ten days.

Jessica Olson – TLEC 113

The purpose of this correlational study is to examine the relationship between participation in athletics and GPA for high school seniors. Sixty-three students from Concordia University reflected on their senior year of high school, answering a survey about their athletic participation and their graduating GPA. The survey was presented as an online survey.

Daniel Frastacci – TLEC 104

As we move into the Postmodern age, we are witnesses to the rising questioning of our conceptions of knowledge, truth and scientific worldview, which we inherited from the age of Modernism. In my research, we examine the epistemology of Jean-Francois Lyotard and his defense against the hegemony of science.

Poster Presentations - 4:30-5:00

Brett Waite – TLEC Mainstreet

We used a method whereby the target protein sequence of α -Calcineurin A was bound between two fluorescent proteins. Calcium-saturated Calmodulin (CaM) was then titrated with various concentrations of the biosensor complex. We found that mammalian, wild-type CaM binds very tightly to the biosensor complex, indicating a strong interaction between CaM and α -Calcineurin A when calcium is present.

Jacquelyn Uffelman – TLEC Mainstreet

Although there are millions of Facebook users worldwide, many people have chosen to not participate in this social network for a variety of reasons. Through three in-depth qualitative interviews with non-Facebook users, this study aims to explore and compare the various reasons some people have for not using Facebook.

Refreshments will be available in the Mainstreet Area.

Graduate School Information Presentation

5:00 P.M. - 5:30 P.M. TLEC 115

Concordia professors will be discussing the graduate school process and answering questions regarding graduate school.

Research Symposium Committee Members

Philip Kober, Ryan Roehrig,

Rebecca Monnier, Mallory Hicks, Audrey Quick