Senior Honors Thesis Titles and Advisors by Year

10-11
The Reliability of Three Nintendo Wii Balance Games: Dual-Task Approach to Measuring Postural Control
   By Nora Brody
   Under the advisement of Kevin Guskiewicz, Jason Mihalik, and Johna Register-Mihalik

Effects of Frontal Plane and Transverse Plane Hip Motion and Ground Reaction Forces on the External Knee Valgus Moment
   By Katie Cawthorn
   Under the advisement of Darin Padua, Troy Blackburn, Barnett Frank, and Ben Goerger

Relationships Between Hamstring Stiffness and Landing Biomechanics
   By Lindsey Cannon
   Under the advisement of Troy Blackburn, Marc Norcross and Steve Zinder

Sex Differences on Common Neurocognitive Tests in Competitive Soccer Players Following an Acute Bout of Soccer Heading
   By Katherine Hemp
   Under the advisement of Steve Zinder, Johna Register-Mihalik and Jason Mihalik

The Difference in Balance Performance and Cognitive Function in a Combined Balance and Cognitive Function Task Compared to a Single task
   By Elizabeth Teel
   Under the advisement of Kevin Guskiewicz, Troy Blackburn and Johna Register-Mihalik

09-10
A Comparison of Heart Rate Variability and Coherence between Breast Cancer Survivors and Healthy Controls
   By Zachary Long
   Under the advisement of Diane Groff, Claudio Battaglini and Debra Murray

   By Morgan Randall
   Under the advisement of Richard Southall, Coyte Cooper and Deborah Southall

An Examination of the Effect of Mental Fatigue on Grip Strength
   By Jason Gonzalez
   Under the advisement of Kristin Ondrak, Johnathan T. Blackburn, Richard Falvo and Jason Mihalik
The Relationship between Fatness, Physical Activity, and Aerobic Power in Children and Adolescents
By Amber Chewning
Under the advisement of Robert McMurray, Kristin Ondrak, Meredith Petschauer

08-09

A Ten Year Comparison of Physical Therapy Programs in the State of North Carolina
by Brooke Danielle Swinson
under the advisement of Bill Prentice, Shana Harrington, and Jose Sandoval

Influence of Exercise Training on Blood Prolactin Levels
by Stephanie A Caudle
under the advisement of Anthony Hackney, Meredith Petschauer, Diane Groff

The Effects of Aquatic Resistive Exercise on Composite Leg Strength, Gross Motor Function and Body Composition in Adolescents with Cerebral Palsy
by Kelsey Falvey
under the advisement of Meredith Petschauer and Debra Thorpe, Diane Groff

The Feasibility of Administering a Combined Exercise and Recreation Therapy Intervention in Post Treated Breast Cancer Patients
by Leigh Anne McLaughlin
under the advisement of Claudio Battaglini, Diane Groff, and Edgar Sheilds

Effects of Augmented Feedback on Co-Activation Ratios and Knee Valgus in Individuals with Medial Knee Displacement
by David Craig Oates II
under the advisement of Darin Padua, Steve Zinder, David Bell and Ben Goerger

07-08

The Efficacy of a Rehabilitation Protocol of Foam Rolling, Stretching, and Strength Exercises on the Correction of Knee Valgus in Double Leg Squats
by Obafunto Abimbola
under the advisement of Darin Padua, David Bell, Michelle Boling, Christopher Hirth

A Comparison of Three Men’s Lacrosse Helmets with Regard to Cervical Spine Stability
by Elizabeth Hibberd
under the advisement of Meredith Petschauer, Nina Walker, Michelle Boling

The Relationship of the Metabolic Syndrome Components with Physical Activity, Cardiovascular Fitness, and Sedentary Behavior in Adolescents
by Diane Blahut
under the advisement of Robert McMurray, Claudio Battaglini, Kristin Ondrak

Sex Comparison of Hamstring Stiffness and Elastic Modulus
by Megan Kimsey
under the advisement of J. Troy Blackburn, Steven Zinder, David Bell

The Relationship of C-Reactive Protein with Physical Activity and Aerobic Power in Normal-Weight Youth
by Lauren Kirkpatrick
under the advisement of Robert McMurray, Sherry Salyer, Kristin Ondrak

Sex Comparison of Hamstring Electromechanical Delay and the Influence of Musculotendinous Stiffness
by Lauren Engstrom
under the advisement of J. Troy Blackburn, Steven Zinder, David Bell

The Prevalence of Symptoms of Neurological Decompression Sickness Among Commercial and Professional Divers.
by Erica Lagrow
under the advisement of Meredith Petschauer, J.Troy Balckburn,

The Underreporting of Concussion in High School Athletes
by Kamisha Holmes
under the advisement of Kevin Guskiewicz, Diane Groff, Johna Mihalik

The Effects of Footwear and Ankle Bracing on Balance and Vertical Jump on Stable and Chronically Unstable Ankles
by Erica Glenn
under the advisement of Steven Zinder, Lindsay DiStefano, Thomas Barr

06-07

The effects of Exercise of Caloric Intake in Breast Cancer Patients Undergoing Treatment
by Lavonne Hairston
under the advisement of Claudio Battaglini, Edgar Shields, Meredith Petschauer

The Effects of Three Unique Landing Tasks on Biomechanical Measures
by Anna Cruz
under the advisement of Darin Padua, Troy Blackburn, David Bell

A Fiscal analysis of NCAA division I-A Football Programs and the significant difference between on-Field, Financial, and Academic Success from 2004 -2005
by Sarah Humphries
under the advisement of Nathan Tomasini, Greg Driscoll, Sherry Salyer
Driven by Passion, Leni Riefenstahl’s Struggle to Direct Olympia
by Elizabeth Lancaster
under the advisement of Sherry Salyer, Cheryl Junk, Diane Groff

05-06

Do Exercise Belief Changes Correspond With Physical Activity Patterns Adiposity As Children Enter Adolescence?
by Candice Lowdermilk
under the advisement of Robert McMurray, Elizabeth Hedgpeth, Debra Murray

The Relationship of C-Reactive Protein With Physical Activity And Aerobic Power In Overweight Adolescents
by Amy Armstrong
under the advisement of Robert McMurray, Daniela Rubin, Robert Butler

The Relationship Between Engaging In Varieties Of Social Activity And Physical Function In Older Adults
by Ladonna Brown
under the advisement of Daniela Rubin, Meredith Petschauer, Tiffany Shubert

Analysis of ground reaction force after a six week agility training program during a side step pivot maneuver and a jump landing tasks in female intramural basketball players
by Kelsey Brickham
under the advisement of Darin Padua, Robert Butler, Sherry Salyer

The Relationship Between Static Pelvic Measures And Navicular Drop Measures
by Jennifer Brisson
under the advisement of Darin Padua, Christopher Hirth, Dean Crowell

04-05

The Effects of Flexibility on Performance of the Elite Athletes on the Women’s Rowing Team
by Rawan Kablawi
under the advisement of Richard Mynark, Sarah Haney, Sherry Salyer

The Effect of Pelvic Inclination on Lower Extremity Strength
by Benjamin Goerger
under the advisement of Darin Padua, Kevin Guskiewick, Charles Thigpen

03-04

A Comparison if the Prevalence of the Signs and Symptoms of the Female Athlete Triad Between Image Based and Non-Imaged Based Sports
by Kelly Serfas
under the advisement of Meredith Petschauer, Richard Mynark, Barbara Osborne, Edgar Shields

02-03

A Preliminary Psychometric Analysis of an Inventory Assessing Mental Toughness
by H. Leanne Cherry
under the advisement of John Silva, Richard Mynark, Joseph Lowman

The Effects of Myofascial Release and Static Stretching and Hamstring Flexibility
by Sarah Schultz
under the advisement of Darin Padua, Chris Hirth, Meredith Petschauer

01-02

The Effects of Dynamic and Traditional Power Bench Press Training Programs on Electromyography of the Pectoralis Major and the Time to Complete the Concentric Phase of a Bench Press
by Robert Flemming
under the advisement of Richard Mynark, Darin Padua, Scott Ross

Does Quadriceps Avoidance Gait Occur in Patients with Isolated Menicals Injury when Compared to Patients with Isolated ACL Injury?
by Erica Booth
under the advisement of Kevin Guskiewicz, Darin Padua, Meredith Petschauer, Scott Ross

00-01

One-Arm Hop Test: Relationship to Core Abdominal Strength and Isometric Shoulder Strength
by Deidra Scofield
under the advisement of Kevin Guskiewicz, Robert Schneider, Scott Ross

Leg Length Inequality and Ground Reaction Force Components: The Effect of Heel Lift Intervention
by Jennifer Cooke
under the advisement of Meredith Petschauer, Michael Gross, Donald Kirkendall

The Effects of Guided Mental Imagery on Body Size and Body Image of Weightlifters
by Mausi Farr
under the advisement of John Billing, John Silva, Jennifer Dobridge

An Analysis of Energy Balance in Competitive Collegiate Tennis Athletes
by Elizabeth Galleher
under the advisement of Bonita Marks, John Billing, Teresa Moore
The Effect of Resistance Training on Insulin Levels in the Blood
by Matthew Jacobs
under the advisement of Robert McMurray, Meredith Petschauer, Daniela Rubin

The Effect of Cryotherapy, Diathermy, and Deep Muscle Massage in Combination with Static Stretching on Hamstring Flexibility
by Katherine Thompson
under the advisement of Meredith Petschauer, William Prentice, Kevin Guskiewicz

99-00

The Cumulative Effects of Soccer Manifested in Postural Stability and Cognitive Function
by Steven Broglio
under the advisement of Kevin Guskiewicz, William Prentice, Stephen Marshall

Effect of Training in Exercise Sandals on 2-D Rearfoot Motion and Postural Sway in Abnormal Pronators
by Thomas Michell
under the advisement of Christopher Hirth, Kevin Guskiewicz, Meredith Petschauer

The Role of a Visual Goal in Vertical Jump Height
by Laura McCaskill
under the advisement of Meredith Petschauer, Kevin Guskiewicz, Donald Kirkendall

98-99

The Effects of Health Maintenance Organizations on the Overall Health of a Sample of North Carolina Citizens
by Kristina Hohas
under the advisement of Ronald Hyatt, John Billing, Sherry Salyer

97-98

A Descriptive Analysis of NCHSAA Cheerleading Coaches with Respect to Education, Training, and Background
by Shannon Norman
under the advisement of Nancy Weaver, Frederick Mueller, Edgar Shields

The Bowen Technique: A study of its Prevalence and Effectiveness
by Amy Norman
under the advisement of Meredith Busby, William Prentice, Edgar Shields
Recovery Heart Rate Following Steady State and Interval Exercise
by Laura Wilson
under the advisement of Frederick Mueller, Bonita Marks, Nancy Weaver

A Comparison of Characteristics of Physical Therapy Programs in North Carolina
by Shana Harrington
under the advisement of Kevin Guskiewicz, William Prentice, Nancy Weaver

Balance and joint stability: the relative contributions of proprioception and muscular strength
by J. Troy Blackburn
under the advisement of Kevin Guskiewicz, William Prentice, Meredith Busby