

11th Annual
University of New England College of Arts & Sciences
Arts & Sciences Symposium

Friday May 7, 2010

Poster Session - 8am-10am
in Decary Upper Cafeteria

Oral Presentation Session – 10:00am-5:00pm
in Decary 202, 203, 205, 208, 212

Featuring Honors Thesis Presentations by:

Konrad Kross (Biology)
10:55-11:40 – Decary 212

Francine Brym (Pharmacology)
11:45-12:05 – Decary 212

Caryn Howard (Mathematical Sciences)
10:05-10:55 – Decary 208

Dora Clements (Political Science)
3:55-4:15 – Decary 205

And

A presentation by students in the Department of English & Language Studies:
The Jewel in the Crown: Colonial Discourse and the English Novel
10:05-10:55 – Decary 212

Sponsored by: ALPHA CHI NATIONAL HONOR SOCIETY and the CAS DEAN'S OFFICE

(light breakfast and lunch provided)

POSTER AND ARTWORK PRESENTATIONS – 8:00-10:00 AM – DECARY UPPER CAFETERIA

1-A Study on Turf Fields vs. Natural Grass: “Do they cause more injuries?”

Blake Conrad, Angelica Jarmusz, Tim Burnham and Bobby Pratt (Business and Communication and Sport Management)

To determine the causal relationship between turf vs. natural grass in regards to athletic injuries.

2-Relationship of Athlete GPA In-Season vs. Out-of-Season

Dylan Saucier, Ryan Ames, Josh Brooks and Scott Tracy (Business and Communication and Sport Management)

This study will focus on information collected from athletes in Spring 2009 and Fall 2009 sports and present relationship found between GPA in-season vs. out-of-season.

3-The Impact Coaches Have on Athletes

Mike Nicholas, Kevin Stevens, Dana Gobeil, Todd Bartlett and Ryan Gallagher (Business and Communications and Sport Management)

Research completed to see the impact a coach has on his athletes (positive or negative) and whether that impacts performance (win/loss record).

4-Green Athletics

Amanda Brigham, Katie Diggins, Nathan Fairfield, Steve Beem and Peter Sullivan (Business and Communications and Sport Management)

A look at how and what sport facilities are doing to become more environmentally aware; focusing on five areas.

5-The Effects of Tempo on Detail-Oriented Task Performance

Shelby Yahn, Jennifer Kellner and Julissa Good (Psychology and Sociology)

This study was performed to determine whether tempo of music has an effect on cognitive process and how well a person can perform a detail oriented task.

6-I’m a Lover...Maybe: The Effects of Recent Experience on Personality in Siamese Fighting Fish

Lindsay M. Forrette (Psychology)

Study of consistent individual variation and decision making in Siamese fighting fish (Betta fish)

7-Effects of wheel running duration on osteoarthritis-induced shifts in hind limb weight bearing in rats: Implications of exercise duration/rate on chronic pain responses

Justin Jezierski, Julio Dutra (Psychology)

Our laboratory has been developing novel methods to quantify chronic pain and pain relief that may facilitate development of more effective and safer analgesic drugs

8-Distractions and Their Effect on Student Memory

Meaghan Richard, Lauren Stephenson (Psychology)

Testing the difference in memory after performing different tasks

9-The Effects of Physical Exercise on Stress Levels in Students at the Collegiate Level

Erica Gagnon, Charles Adkins, Jennifer Patrick (Psychology)

For the purposes of this study, the goal is to determine the overall effects of exercise on stress levels in college students

10-Effects of Pet Ownership on Depression Levels

Scott Deschenes, Kathryn Johnson, Nina Buckman, Julie Barker, Samantha Kelly (Psychology)

A study on whether or not pet ownership has an effect on depression levels of UNE students

11-Relationship Between Parental Divorce and Academic Performance

April Deemer, Aissa Edora, Alicia Agana, Lianna Montgomery (Psychology)

The study looks at undergraduate academic performance and how it is related to parental marital status

12-Effects of Gender and Religion on Prejudices Toward Homosexuality

Ashley Taylor, Bret Noyes, Paige Rosenthal (Psychology)

To increase education on controversial topics at the University of New England

13-Sex Identification Accuracy of College Students

Brittany Morley, Andrew Cole (Psychology)

This research explores sex identification accuracy based on self-identified sex and self-perceived gender

14-Self Perceptions Based on Attractiveness: A Study Examining the Effect of Varying Levels of Other’s Attractiveness Based on Our Own Self Perceptions

Katelyn Kaulback, Brandon Hotham, Jennifer MacLeay (Psychology)

An analysis of people’s stereotypes of attraction and how it affects one’s self

POSTER AND ARTWORK PRESENTATIONS – 8:00-10:00 AM – DECARY UPPER CAFETERIA

15-A New Generation of Communication

Jessica Boutin, Erin Murphy (Psychology)
We have collected data on how college students today like/tend to communicate with one another

16-Effects of Lyrical and Non-Lyrical Music on Recall of Pictures

Alicia Healey, Tyler Bonnell, Lauren Shaw, William Querry (Psychology)
Do people experience better recall of pictures after studying them while listening to non-lyrical vs. lyrical music?

17-Judging a Book by its Cover: Effects of Hair Color Stereotypes on Women's Performance

Rose Ashner, Shannon Gerber, Lauren Beaman (Psychology)
How a person's hair color can have an effect on the likelihood of them getting hired based on their hair color stereotypes.

18-Reading and Math Differences Between Males and Females

Samantha Heard-Barrette, Robert Chagnon, Christina Best (Psychology)
A study on the stereotypical reading and mathematical abilities of males vs. females

19-Music as a Cognitive Enhancer in Maze Learning

Alyssa Yeager (Psychology)
Maze learning in mice when exposed to no music, classical and heavy metal music

20-Personality & Habits

Richard Parker, Evan Patierno, Jasmine Depoy, Paul Ingargiola (Psychology)

21-The Effects of Body Position on Perceived Attractiveness and its use in the Media

Alisha Tonks, Lauren Damon, Audrey Coan (Psychology)
A study on how people perceive attractiveness of other based on body position and how it is shown through media

22-The Effects of Conformity on Test-Taking

Travis Marcoux, Jillian De Melim, Amanda Simmons (Psychology)
This study was conducted to look at the presence of conformity in college students; specifically in test-taking situations

23-Ionic Liquids as Solvents for Molecular Electronics

Robyn Gaudet (Chemistry)
In this work, ester and acid spiropyran were synthesized and characterized and commercial ionic liquids were purified for spectroscopic studies

24-Synthesis, Characterization and Evaluation of Diphenyl and Dimethyl Carbamate Derivatives of 6β -Naltrexol *in vitro* and *in vivo* as Possible Treatments for Opioid Addiction

Liz Andrews (Chemistry and Physics)
Synthesizing and assessing the purity of naltrexol/naltrexol derivatives in the treatment of opioid addiction via column chromatography, thin layer chromatography and nuclear magnetic resonance

25-Spectroscopic Characterization of a Novel Silole: 1, 1-diallyl-2,3,4,5-tetraphenylsilole

Christina Faller (Chemistry and Physics)
Photoluminescence (PL) characteristics and aggregate induced emission (AIE) of 1, 1-diallyl-2,3,4,5-tetraphenylsilole are described in reference to previously characterized siloles

26-Heterogeneous DNA Duplex Stability

John Allen (Chemistry and Physics)
A short double stranded DNA sequence with one strand bound to a surface was investigated to determine the influence of end differences in which strand is bound by modeling stability at a range of temperatures

27-Photophysical and Electrochemical Characterization of a series of Tollyl-Substituted Siloles

Michael Verde (Chemistry and Physics)
Four members of a class of compounds referred to as siloles, which are excellent candidates for use in electroluminescent devices and chemical sensors, have been characterized using cyclic voltammetry, absorption and emission spectroscopy, and Gaussian calculations

28-What are the Acute Effects of Fear and Laughter on the Cardiovascular and Nervous System?

Jackie Foskitt, Laurel Ranck, Kaitlin O'Connell, Meghan Tweedie (Biology)
The study used two different video clips and tested the effects of them on the CNS, ANS and cardiovascular systems

POSTER AND ARTWORK PRESENTATIONS – 8:00-10:00 AM – DECARY UPPER CAFETERIA

29-The effects of Brain Gym on Test Taking Stress and Anxiety

Rachele Leonardo, Andrea Morrissey, Corinne Perry, Erin Lyons (Biology)

This study looks at the effects of brain gym on participant anxiety levels, blood pressure, heart rate and brain waves and determines whether brain gym is effective in test taking situations

30-Do *Spartina Alterniflora* Clones Vary in their Tolerance to Sea Level Rise?

Kate DiVito (Biology)

The effect of tidal inundation on the productivity response of seven clones of the dominant marsh macrophyte, *spartina alterniflora* were examined to determine if their clone-specific responses to rising sea level accompanying global warming

31-Music Effects on Body Systems

Maria Denietolis, Molly White, Patricia McLaughlin, Christine Garbarino (Biology)

Our experiment tested musical effects of classical and hard core music on heart rate and blood pressure, muscle tone and electrical brain activity

32-Effects of Chamomile Tea on Quality of Sleep Obtained by College Students

Liz Kelly, Sarah Homich, Marie Mantelli, Sean Aubin (Biology)

The purpose of this study was to observe the effects of herbal tea on the functions of the cardiovascular system, the urinary system and the nervous system in relation to the sleep cycle in the college students

33-Effects of Temperature Increase on Little Skates, Raja Erinacea, Gestation

Tiffany Nordhaus (Marine Sciences)

A study to determine how a 4.5°C increase in temperature will change the gestation of little skates, Raja Erinacea

34-Coral Reproduction and Management

John Kluge (Marine Biology)

How coral populations reproduce and the forces affecting them

35-Effects of Physical Transport on Abundance of *Calanus Finmarchicus* in the Gulf of Maine

Sky Williams (Marine Science)

A study that investigates the relationship between water column transport and zooplankton abundance in the Gulf of Maine, and the driving physical factors

36-The Effect of Localized Temperature on the Hand

Kelsey Isham, Jesalyn Dvorak, Heather Pederson (Biology)

Heat and cold applied to seven women students at UNE caused changes in hand strength, reaction time and blood pressure

37-The Effects of Two Different Energy Beverages on the Cardiovascular, nervous and endocrine system

Jordan Faloon, Kastle Kelly, Taylor Maclean, Ashley Lapoint (Anatomy Physiology Pathophysiology)

This presentation shows the effects of two energy beverages (Red Bull and 5-Hour Energy Drinks) by comparing and contrasting the results on the cardiovascular, nervous and endocrine systems

38-Phenotyping and Quantifying Infiltrating CD4⁺ T-Cells Following Transection of the L5 Spinal Nerve

Kyle Draléau (Microbiology COM)

This project investigated the type of T-cells that infiltrate the spinal cord following a neuropathic injury, as well as the level of the cytokine associated with the infiltrating T-cell to learn more about positive causes of neuropathic pain.

39-Characterization of the Antinociceptive Actions of Several Opioid Mu agonists/Delta antagonists

Nick McGlinchey (Chemistry-Pharmacology)

Investigates a new class of opioids which show possible promising therapeutic aspects such as reduced side effects versus current opiates/opioids on the market

40-Cold Allodynia, Heat Hyperalgesia and Persistent Hindlimb Flexion in BALBC mice with L5 Transection: Implications for Chronic Pain and Associated Motor Dysfunction

Mustaf Sharif (Pharmacology)

Implications for Chronic Pain and Associated Motor Dysfunction

41-The Role of Cthrc1 in a Bleomycin Model of Pulmonary Fibrosis

Megyn Beyer (Pharmacology)

Pulmonary fibrosis is induced using bleomycin in an attempt to investigate the role of Collagen Triple Helix Repeat Containing 1 protein (Cthrc1) on the progression of pulmonary fibrosis.

42-LAA-2-27b Blockade Study

Tanya Lawrence (COM, Pharmacology)

This study examined LAA-2-27b as an antagonist of the μ -opioid receptor

43-Creating an Animal Model for Dyspnea

Aubrey White (Pharmacology)

Creating an animal model is the first step to developing a model that will enhance the development of drugs that will help treat the symptoms of dyspnea and accompanying anxiety

POSTER AND ARTWORK PRESENTATIONS – 8:00-10:00 AM – DECARY UPPER CAFETERIA

44-The Effects of the Mu-opioid Receptor Agonist, Morphine, on Persistent Hindlimb Flexion

Dan Panciocco, Mustaf Sharif, Ademola Asimatanrareje (COM, Biology)

PHF is a model of injury-induced changes in passive range-of-motion that is commonly observed in many clinical musculoskeletal conditions

45-The Effects of an Unhealthy Diet in the Body of a College Student

Jessica Nadeau, Ludi Milla Fraga, Alyssa Fastnacht, Jennifer Freeman (Biology)

A research study to find out what the effects of a high-fat, high-cholesterol, and high-simple sugar diet versus a low-fat, low-cholesterol, and low-simple sugar diet are on the cardiovascular, endocrine and urinary system

46-The Spectrophotometric Characterization of Novel Naphthyl-Substituted Silole

Jaclyn, Hopkins, Kristopher Fecteau, Henery J. Tracy, PhD, Jerome Mullin, PhD (Chemistry and Physics)

Research details the initial characterization of the absorption and emission properties of 1.1-dimethyl-2,5- di(2-naphthyl)-3,4- diphenyl silole, a novel naphthyl-substituted silole, in comparison to previously characterized silole compounds

47-Green Aqueous Suzuki Couplings using Pd-C and Aryl Halides with Strategic Electronic Variation

Corey Dumais (Chemistry and Physics)

Research results from a comparison of three green, aqueous organic reactions will be discussed

48-Improved Synthesis of 6 β , 14-epoxynaltrexol

Paul FitzMorris (Chemistry and Physics)

Using synthetic organic chemistry methods, an epoxide-bridged naltrexone-based compound was created in an attempt to be used as an antagonist at the μ -opioid receptor

49-In Silico Conformational Analysis of 6 α - and 6 β -Naltrexol and Derivatives

Jennifer Bayron (Chemistry and Physics)

In order to better understand conformational preferences in a series of 6 α - and 6 β -naltrexol diastereomers, several of which possess nanomolar affinity at the μ -opioid receptor, minimum energy conformations of these compounds and their derivatives (tosylate, mesylate, triflate, iodide and methylene) were studied *in silico*

50-Methodology in Organic Synthesis of Palladium Catalyzed Suzuki Reactions

Corey Dumais (Chemistry and Physics)

Poster and discussion of yield changes due to the variance of electronic effects on the synthesis of aryl halides with boronic acids via the Suzuki coupling reaction with palladium zero.

51-Monte Carlo Coarse Grain Model Exploration of DNA Probes for use in Microarrays

Emily Schoch (Chemistry)

There are inconsistencies in hybridization tendencies in biological microarray kits, giving unequal results when probes with complementary sequences are repeatedly tested; however, using a coarse grain Monte Carlo molecular model the thermodynamic properties of nucleotide hybridization for short oligonucleotide sequence can be reasonably predicted

52-Alcohol and Tobacco Policy Satisfaction at a small New England University

Adrian Mendes, Corey Cribby, Stephen Barton, Chelsea Potter (Psychology)

We will have a poster presentation of our study which looks at the satisfaction of current students at a small New England University in regards to current alcohol and tobacco policies.

Artwork

53-Drift

Nick Blunier (Creative and Fine Arts)

Driftwood art. Sculptures made from things collected at the beach

54-This Lifeless Medium is so Poetic it's Living Art

Nicole Perrault (Creative and Fine Arts)

Different mediums were used to express unique views on life and historical art.

55-The Dunbar Dragons

Katie Dunbar (Creative and Fine Arts)

A collection of dragon artwork, created through several media, including pen and ink, charcoal and acrylic paint on canvas

56-Drift Connect

Ellen A Fraser (Creative and Fine Arts)

An abstract look at pain and medicine done in acrylic paint on Neuroscience

57-Paintings and Master Renderings

Emily T. Schoch (Creative and Fine Arts)

This multiple canvas display includes a series of master copies and original compositions completed under the supervision of Professor Stephen Burt during an independent study furthering the development of my skills as a painter

58 - A Six Year Journey

Liz Andrews (Creative and Fine Arts)

The artwork display catalogs my six year journey through undergrad and the growth of artistic skills from my first art class to my very last. A variety of mediums are used between charcoal, graphite, watercolor, acrylic, and oil.

Oral Presentations-Arts & Sciences Symposium 2010

	Decary 202	Decary 203	Decary 205	Decary 208	Decary 212
10:05-10:25	<p>59-Effects of Almonds and Coffee on Stress Jessica Boutin, Ben Sarle, Megan Bogdon (Biology) Effects of almonds and coffee on stress levels of college students</p>	<p>75-Neurontin: A GABA Analog for the Treatment Of Epileptic Seizures Jaclyn M. Hopkins, Christina E. Faller (Chemistry & Physics) A detailed review of the drug discovery and FDA approval process of Neurontin (Gabapentin)</p>	<p>91-Frequency of Calming Signals in the Domestic Dog (Canis Fasmiliaris) in a Social Setting Dory Mercer, Jenny Ford (Psychology) Lip licks, paw raises, and look aways; helping humans hear their dogs</p>	<p>107-Primes and Factor Rings in Gaussian Integers (40 min) Caryn Howard (Mathematical Sciences) A look at similarities and differences in properties, primes, and factor rings of the integers and the gaussian integers</p>	<p>117-The Jewel in the Crown: Colonial Discourse and the English Novel (40 min) Cathrine O. Frank, Allison Alaimo, Maura Trinder, Emily Clifford (English) A panel on representations of India in the works of Rudyard Kipling and Arthur Conan Doyle</p>
10:30-10:50	<p>60-The Effects of Music Genre, on Blood Pressure, Respiratory Rate, and Brain Activity Haley Frizzell, Anna Comdan, Maddy, Aylward, Abhisheck Giri (Biology) We studied the differing effects of heavy metal and classical music on the human body</p>	<p>76-An Analysis of 6α and 6β Naltrexol Conformation Using Proton and Carbon NMR Kyle Reilly (Chemistry & Physics) Using evidence from proton and carbon NMR spectroscopy, the Ring C conformation of naltrexol and related derivatives will be analyzed and discussed</p>	<p>92- Examining the Effects of Diet on Weight and Activity Level in Mice Allie Johnston, Kristen Myers (Psychology) We looked at the effects of an unhealthy vs. healthy diet on activity level in mice</p>		
10:55-11:15	<p>61-The Effect of Sleep Deprivation on University Students Elyse Johnson, Chris Andrews, Sarah Pendleton (Biology) An examination of potentially detrimental effects of sleep deprivation on performance of university students</p>	<p>77-Understanding the Drug Provigil Josh Havelin, Paul Fitzmorris (Chemistry & Physics) The history of Provigil's creation, its uses in the present day, and method of treatment</p>	<p>93-The Effects of Drug Contaminated Water on Maze Running and Learning in Female CD-1 Mice Megan McBurnie (Psychology) With the increased prevalence of drugs in drinking water supplies, this study examines the acute effects of those drugs on learning</p>	<p>108- A Preliminary Study on the Extent of Habitat Partitioning of Juvenile Fish Within the Saco River Estuary Leigh Engel (Marine Science) A study on the extent of habitat partitioning of juvenile fish within the Saco river estuary</p>	<p>118-Production of Fos in the Trigeminal Nucleus From Chronic Morphine Withdrawal Induced by Naloxone (40 min) Konrad Kross (Biology) This is an honor thesis that studied the effect of morphine withdrawal on on-cell firing in rats</p>
11:20-11:40	<p>62-Chewing Gum: An Effective Method to Relieve Anxiety or Simply Habit? Justin St. Jean, Ashley Traniello, Kyle Comell, Stephanie Pelletier (Biology) The experiment tested whether chewing gum relieved anxiety during exams, or if it is just a habit students have.</p>	<p>78- Ambien: A Drug Overview Katie Edwards, Carly Holgerson (Chemistry & Physics) A history of Ambien: its discovery, approval, and research associated with its efficacy neurotransmitters in the medial prefrontal cortex of rats which may affect executive functioning</p>	<p>94-Paw Preference and Brain Lateralization Among Male and Female Felis Silvestris Catus William Query (Psychology) For this study, male and female house cats (Felis Silvestris Catus) were tested for paw preference which might indicate laterilaztion of function in the brain</p>	<p>109-Observing Habitat Use of the Atlantic Sturgeon, Acipenser Oxyrinchus, in the Saco River Estuary Using Acoustic Telemetry Devin Flawd (Marine Science) A study using hydrophone receivers and transmitters to track Atlantic Sturgeon movement patterns along the Saco river estuary</p>	

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	Decary 202	Decary 203	Decary 205	Decary 208	Decary 212
11:45-12:05	<p>63-The Significance of Sound Stimuli in Eliciting the Fear Response in Video Clips Lindsey Bourget, Nicole Pepin, Kasey Little, Brittany Bolduc (Biology) This study tested the effectiveness of eliciting fear response in subjects watching a video clip with sound versus without sound.</p>	<p>79-Managing with Alzheimer's Disease: Rivastigmine (Exelon) Anda Panaitiu, Pratik Shah (Chemistry & Physics) Rivastigmine (sold under the name of Exelon) is a drug used in the treatment of Alzheimer's related dementia. Rivastigmine's properties, molecular mechanism, and drug development process are described in the current presentation</p>	<p>95-Effects of Temperament in Shelter Dogs Leading to Adoptability Michael A. Sagaert (Psychology) Testing canine temperament & adoptability in an animal shelter</p>	<p>110-Qualitative Analysis of Stomach Contents of the Spiny Dogfish (<i>Squalus Acanthias</i>) from the Northwest Atlantic Ocean Drew Rosati (Marine Science) Observations of the direct impact of a growing predator population on commercially important species along the east coast of the United States</p>	<p>119-The Effects of Methylphenidate and Atomoxetine on Attention and Levels of Norepinephrine, Dopamine, and Serotonin in the Medial Prefrontal Cortex of Adult Rats Francine Brym (Pharmacology) Honors thesis research on the effects of drugs used to treat ADHD patients on both subjects behavior in an attention task and neurotransmitter levels by use of in vivo microdialysis on the prefrontal cortex</p>
12:10-12:30	<p>64-Body Responses to Heat Emily Clifford, Amber Zablowsky, Catherine Markins (Biology) How the body reacts to ten minutes in a sauna based on heart rate, blood pressure, and respiration rate</p>	<p>80-Capoten Tanya Lawrence, Kyle Draleau (Chemistry & Physics) This is an informational session on the drug Capoten, an Ace inhibitor</p>	<p>96-Environmental and Social Effects on Predator Inspection in Rosy Red Minnows Rebecca Hartman, Shalee Crandall (Psychology) Predator inspection behavior in single and 5 member shoals of minnows were tested in three environmental conditions</p>	<p>111-The Effects of Temperature and Seasonal Variation on Neonate Little Skate, <i>Leucoraja Evinacea</i> Growth Rates Jade Heidt (Marine Science) A study of how ambient water temperatures affects the growth rates and survivability of neonate little skates</p>	<p>120-Woman in the Labor Force in Latin America (40 min) Marie Hubbard (Sociology) This presentation demonstrates the overall trend of women in the labor force in Latin America in the last 25 years</p>
12:35-12:55	<p>65-Phantom Limb Pain and Mirror Therapy for Upper Extremity Kaitlyn Brems, Jamie Hoffman (Biology) Physiology and treatment of phantom pain with mirror therapy</p>	<p>81-Anmidex Kelsey Mentas, Sokharath Duong (Chemistry & Physics) A presentation on early breast cancer treatment</p>	<p>97-Social Dominance Hierarchies in the Siamese Fighting Fish (Betta Splendens) Dustin Schildroth (Psychology) Proposal for a research project into dominance hierarchies in bettas: an unaccounted for factor in a social system model</p>	<p>112-Describing the Vertical and Abundance of Larval Fish in the Saco River Estuary System Jessica Bergeron (Marine Science) Sampling larval fish to better understand the species present in the area and their life history patterns</p>	

Oral Presentations-Arts & Sciences Symposium 2010

	Decary 202	Decary 203	Decary 205	Decary 208	Decary 212
1:00-1:20	<p>66- Occupational Therapy & Interventions for Cerebral Palsy Caryn Cartledge, Tynisha LaCroix (Biology) Research paper looking into OT assistance with the interventions of CP in children</p>	<p>82- Rohypnol (Flunitrazepam): Uses as an Effective Medication for Sedation and Insomnia Marissa Corriveau, Johnna Ambrose (Chemistry & Physics) The chemical structure, metabolic breakdown, history and use of Rohypnol in several different areas of the world are discussed</p>	<p>98- The Effects of Automobile Fluids on Social Behavior in Goldfish (Carassius Auratus) Jennifer Manzone, Fallon Kobes (Psychology) Results of our research on the effects of oil, windshield washer fluid, and antifreeze on the behavior of goldfish will be discussed</p>	<p>113- Determining Age and Size At Sexual Maturity of Black Dogfish (<i>Centroscyllium Fabricii</i>) Nicole Ward (Marine Science) A study to understand the life cycle of a deep water shark species found in the north Atlantic</p>	<p>121- Rural Homosexuality in New England: Six Perspectives From College Aged Youth Andrew Cole (Sociology) This study delves into the secret (and not so secret) lives of six gay UNE students to explore the trials and tribulations of growing up gay in New England</p>
1:25-1:45	<p>67-The Effects of Scary Stimuli on the Cardiovascular, Nervous, and Endocrine System Shannon Roche, Jonathan Dupis (Biology) Researchers sought to investigate how physiological systems are affected by exposure to a scary film</p>	<p>83- Yasmin Jen Bayron, Emilee Kenyon (Chemistry & Physics) Discussing the history and uses of Yasmin as an oral contraceptive</p>	<p>99- Now You See It, Now You Goat! Understanding Habituation Potential in Goats Jessica Lynn (Psychology) A study that looks at how different types of stimuli can affect habituation</p>	<p>114- Evaluating Post Mortem Estradiol Changes in Serial Sampled Adult Female Spiny Dogfish (<i>Squalus Acanthias</i>) From the Northwest Gulf of Maine Ashley Traverse-Taylor (Marine Science) The basis of this study is to examine changes in estradiol concentrations over a 6.5 hr time period to determine if/when a blood sample is no longer representative of the control value (living individual)</p>	<p>122- Treatments for PTSD in Children and Adolescents: A Survey of Practitioners (40 min) Rachel Olinger , Rick Rizzo (Psychology) In this survey study, we investigated the types of treatments used to treat PTSD among practitioners, if treatments differed between psychologists and social workers, and whether different treatments were used for children when compared to adults</p>
1:50-2:10	<p>68- Examination of The Effect of Varying Tempos of Music on Psychological Performance Perceived Exertion In Young Adults Pratik Shah, Emily Gromar, Kaitlyn Boucher, Stephen Dpilon (Biology) The presentation will review the findings of the experiment as well present results from previous studies on the subject of effects of music on perceived exertion</p>	<p>84- Synthesis and Characterization of a Series of Naphthyl Esters For Use in the Photolysis Reaction in Ionic Liquids Amber Zablowsky (Chemistry & Physics) A series of esters were made and characterized to use in a photolysis reaction to investigate cage effects of ionic liquids</p>	<p>100- Huntington's Clash of Civilizations and Popular Media: How the Bush Administration Used Both as a Cause for War in Iraq Samantha Adams (Political Science) The media's appropriation of the clash of civilizations and the way the Bush Administration used it as a cause for war</p>	<p>115- Steroids Modulate Sexual Behavior of Female Fruit Flies Elizabeth Fisher (Biology) The behavior of female ecdysooneless' mutants was examined</p>	

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	Decary 202	Decary 203	Decary 205	Decary 208	Decary 212
2:15-2:35	<p>69- Changes in β-Wave and Galvanic Skin Response While Lying Using a Concealed Information Test (CIT) Megan Norton, Amy Luginbuhl, Mary-Jane Mulkern, Allison Yuen (Biology) This project was done in efforts to look at physiological changes that occur in the nervous system and integumentary system that can be detected by traditional (Galvanic skin response) and non-traditional (EEG) lie detection techniques</p>	<p>85- Investigations in Dopamine, Norepinephrine, and Serotonin in Rats Exposed to Prenatal Protein Malnutrition Megan McBurnie (Pharmacology) Exposure to prenatal protein malnutrition alters</p>	<p>101- Reporting Through the Filters Marissa Simoes (Political Science) The constraints placed on journalists covering the Arab-Israeli Conflict</p>	<p>116- Steroid Modulation of Male Courtship Behavior in <i>Drosophila Melanogaster</i> Joe Desilets, Leonard Tan, Pratik Shah (Biology) We investigate the effects of steroid hormones in fruit flies by using temperature sensitive mutants and seeing the effects on their courtship behavior</p>	<p>123- Vegetation Analysis of Southern Maine Coastal Forest Using Student Collected Data Deidra Sargent (Environmental Studies) Student collected herbs, shrub and tree data were analyzed to provide a community description of UNE's forest, and to determine the usefulness of students as data collectors</p>
2:40-3:00	<p>70- Mozart & Math Camila Munoz, Max Garcia, Felicia Bickford, Kathryn Park (Biology) The effects of classical music on respiratory rate, mean arterial blood pressure, and brain wave activity during a mathematical reasoning task</p>	<p>86- The Effect of Induced Osteo Arthritis on Muscle and Bone Quality Joshua Grenier (Neuroscience) This project investigates how various parameters of bone and muscle compare between control and induced osteo arthritis groups</p>	<p>102- Health Care in Ecuador: Decentralization, Political Instability and Barriers to Access Megan Hawkes (Political Science) Health care is a globally debated issue of the 21st century that Ecuador is struggling with after implementation of health care as a right in the 2008 constitution</p>	<p>124- To Hate or Not to Hate Sean McGlew (Psychology) A comparison between age, self-esteem, homo-negativity, identity confusion and superiority in homosexual men</p>	
3:05-3:25	<p>71- Locked-In Syndrome Kelly Lanni, Briana Youland (Biology) An overview of Locked-In syndrome: a condition which leaves a patient completely paralyzed yet mentally aware</p>	<p>87- The Effects of a Diet of Imbalanced Ratio of Omega-6: Omega-3 Essential Fatty Acids Using Behavior and Microdialysis Donna Bass (Pharmacology) The presentation of original research using diet, microdialysis, and behavior with the adolescent rat</p>	<p>103- The United States and Latin American Dictatorships: The Case and Lessons of the Nicaraguan Revolution of 1979 Michael Campinell (Political Science) An exploration of the US government's involvement in causing the Nicaraguan Revolution of 1979 and the lessons that the US government can learn for today</p>	<p>125- The Impact of a Summer Literacy Program on Children's Perceptions of Scientists Celina McMichael (Education) Through a public library's summer programming, an investigation was conducted examining whether a summer reading program introducing children to a wide range of scientists could broaden children's initial views of what a scientist is</p>	

Oral Presentations-Arts & Sciences Symposium 2010

	Decary 202	Decary 203	Decary 205	Decary 208	Decary 212
3:30-3:50	<p>72- Effects of Aromatherapy Lotion on Stress in College Students Kyle Draleau, Tanya Lawrence, Matthew Lavasseur, Maxwell Adomaitis (Biology) College students were given a math test as a stressor and their heart rate, blood pressure, respiratory rate, and electroencephalogram results were compared between those receiving or not receiving aromatherapy.</p>	<p>88- Testing Abuse Liability of Novel Delta Opioid Pain Relievers Amy Luginbuhl, Catherine Dunbar (Psychology) Our laboratory has been characterizing the addiction potential of a novel class of opioid pain relievers that bind to both delta and mu opioid receptors</p>	<p>104-Compromising, Selling Out, or Both? The Fair Trade Movement and Globalization Donovan Marvin (Political Science) Whether the relationship between the Fair Trade Movement and multinational corporations has been a smart and effective choice for the Fair Trade Movement to reach their goals for fair prices for farmers in developing countries.</p>		<p>126-Outdoor Artistic Expression on Campus Jane Larsen (English) Poetry reading and photo slideshow of an outdoor art project</p>
3:55-4:15	<p>73-The Effect of Music on Exercise and Cardiopulmonary Performance Joshua Grenier, Katie Audet, Vernon Chan, Ashley (Biology) The cardiopulmonary workload and total distance ran was compared to groups listening to and not listening to music</p>	<p>89- The Effects of DHA on the Nervous System Tom Siemens (Neuroscience) Literature review of the effects of Omega-3 fatty acids on neural development, function, protection, and repair</p>	<p>105-From Foucault's Delinquent to the Abject: The New Spectacle of Prison Privatization Dora Clements (Political Science) This research examines the shift from the traditional type of punishment described by Foucault in <i>Discipline and Punish</i> to the modern spectacle that is the American privatized prison system</p>		
4:20-4:40	<p>74-Regaining Independence Caitlyn Townsend, Janine Lodguidice (Biology) What the future holds for upper extremity amputees with the help of advanced technology</p>	<p>90- Murine LP-BM5 Viral Infection Induced Reduction of Hind Paw Intraepidermal Nerve Fibers in C57B1/6 Mice Leonard C. Tan (Microbiology) This study evaluated the density of hind paw intraepidermal nerve fibers in C57B1/6 mice via immunohistochemistry following infection of LP-BM5, a murine retroviral isolate that induces severe acquired immunodeficiency syndrome similar to human HIV</p>	<p>106- The Art / Crowd Stimulus Chase Sheaft (Political Science) An argument that art walks are popularized when an "art / crowd stimulus" is offered, cohesion of a crowd and art that amplifies the pleasure of the experience</p>		