



HISTORY

Since the College's first commencement in 1821, Allegheny students have showcased their exceptional academic achievements through a senior capstone experience of one kind or another. At times it involved an oral defense, at others a written thesis. The notion of a written Senior Project coupled with a comprehensive oral examination first appeared in the 1942 College Catalogue. In the 1970s, oral examinations shifted from a general defense of disciplinary expertise to a more focused verbal presentation of the Senior Project findings.

PREPARATION

The Senior Project provides students with an opportunity to integrate discipline-specific scholarship with the communication and research skills necessary for professionals in the 21st century. During their first year at Allegheny, students write, speak, and research frequently in their first-year seminars. By the sophomore year they are ready to undertake the complexities of writing and speaking in a specific discipline. They further hone these disciplinary communication skills in a junior seminar, the final preparatory phase for the Senior Project. By the senior year students are sufficiently prepared to undertake a scholarly endeavor approximating those experiences they will face as professionals in their field.

REALIZATION

The culminating experiences of the Senior Project are as varied as the disciplines that produce them, from recitals, performances, and exhibits to written and oral presentations on laboratory research. Many illustrate unusual combinations of disciplines, interests and skills. The Senior Project Celebration offers an open forum for students to present their projects, allowing seniors to refine their skills in presenting to a broad audience and share ideas with other students and the campus community.

ALLEGHENY COLLEGE

The national liberal arts college where 2,100 students with unusual combinations of interests, skills and talents excel.

SENIOR PROJECT CELEBRATION

In keeping with Allegheny's commitment to provide students with a liberal arts education of high standards, the Senior Project is not a mere report or semester paper, but a significant piece of independent study, research or creative work conducted under the supervision of one or more faculty members. **The outcome of a Senior Project is more than a grade or a written document;** for the student it often results in a new way of looking at complex problems and inspires an appreciation for the power of ideas that might previously have seemed like abstract concepts in a textbook. Often it can be a pivotal moment when a student realizes his or her own abilities and potential.



ALLEGHENY COLLEGE

April 26, 2013

Poster Presentations

ALL POSTER PRESENTATIONS WILL BE IN THE LOBBY OF THE HENDERSON CAMPUS CENTER.

10:00 AM - NOON

Sahar Arbab

Green Deeds in the Mead: An Environmental Education Program for Lower-Income Youth in Meadville, PA

Major: Environmental Studies / Minor: English
Project Advisors: Thomas Eatmon and Eric Palmer

Lauren Bader

And so, to Bath: Jane Austen and the Historic City of Bath, Site for Health, Entertainment and Character Development

Major: English / Minor: History
Project Advisors: Diane D'Amico and Susan Slote

Douglas Barber

Implications for Tectonic Control on Paleogeography and Sediment Dispersal Pathway: Integrated U-Pb Detrital Zircon Age-Analysis of the Paleogene Missouri River Headwater System, SW Montana

Major: Geology / Minor: Economics
Project Advisor: Bob Schwartz

Sarah Barlow

Twentieth Century War and Liberal Arts Education at Allegheny College

Major: History / Minor: Art History and Computer Science
Project Advisor: Ian Binnington

Matthew Bocchi

Courtesans of Venice: Social Fluidity in the Time of the Renaissance

Majors: Art History, History, and Women's Studies
Project Advisors: Amelia Carr, Barbara Shaw, and Paula Treckel

Natalie Cappellazzo

The Implications of Resource Wealth for Human Development Outcomes

Major: Political Science / Minor: English
Project Advisors: Shannan Mattiace and Shanna Kirschner

Jordyn Chartier

La Lengua Porteña: A Historical Linguistic Perspective

Major: International Studies / Minor: Spanish and Chinese
Project Advisor: Shannan Mattiace

Kathryn Cragg

An Unwanted Kiss, An Unwanted Lie

Major: Communication Arts / Minor: Political Science and Writing
Project Advisors: River Branch and Michael Keeley

Nicholas Diana

The Effect of Sex and Priming on Inattentional Blindness to Sexist Stimuli

Majors: Psychology and Neuroscience
Project Advisor: Aimee Knupsky

Abby Dishler

Determination of the Secondary Structure of Group II Bulges Using the Fluorescent Probe 2-Aminopurine

Major: Biochemistry / Minor: History
Project Advisor: Martin Serra

Eric Engelhardt

Using IOZone to Measure the Cost of Using Hard Disk and Solid State Drives

Major: Computer Science / Minor: Music
Project Advisor: Gregory Kapfhammer

Colleen Friel

Auxin Effects on Root Exudation

Major: Biochemistry / Minor: Economics
Project Advisor: Catharina Coenen

Caitlyn Fuoco

Exploring the Current Shift in Fan/Producer Relationships

Major: Communication Arts / Minors: Psychology and Creative Writing
Project Advisor: Ishita Sinha Roy

Kyle Greenberg

The Influence of Pogonotrophy on Male College Students' Perceived Masculinity

Major: Psychology / Minor: Communication Arts
Project Advisors: Joshua Searle-White and Calion Lockridge

Alivia Haibach

Crosses and Kofeyyes: Minority Integration Theory in Egypt

Major: International Studies / Minor: Religious Studies
Project Advisor: Shanna Kirschner

Brennan Hamilton

The Meeting of Heaven and Earth: The Lay Construction of Seville's Holy Week

Majors: Spanish and History
Project Advisors: Teresa Herrera and Kale Haywood

John Hecht

The Effect of Benzalkonium Chloride Residues on Adhesion and Biofilm Formation by Wild-Type and Benzalkonium Chloride-adapted Haemophilus ducreyi

Major: Biology / Minor: English
Project Advisor: Tricia Humphreys

Max Hennessy

Determining the Roles of innexin2 and 5 in the Drosophila Melanogaster Immune System

Major: Biology / Minor: Economics
Project Advisor: Bradley Hersh

Ashley Jones

Illustrating High School Mathematics Using Origami

Major: Mathematics / Minor: Psychology
Project Advisor: Tamara Lakins

Abigail Kmiecinski

June 16, 1976: The Intersection of Liberation, Education, and a Powerful Young Generation in Soweto, South Africa

Major: History / Minors: French and Psychology
Project Advisor: Barry Shapiro

Charley Larkin

What is "Right"? How Do You Define "Right"? How about "Left"?

Major: Art and Technology / Minor: Psychology
Project Advisor: Sue Buck

Ashley Lehr

Restaurant Industry Strategy: Exploiting Demographic Change in a Weak Economy

Majors: Economics and Spanish
Project Advisors: Don Goldstein and Teresa Herrera

Jiarong Li

Examination of Keynesian Economics in the Case of Sino-German Economic Relations after the Global Financial Crisis in 2008

Majors: International Studies and German / Minor: Economics
Project Advisors: Sharon Wesoky, Jochen Richter, and Jialu Liu

Chelsea Litman

Past, Present, Future: The Enduring Influence of Marcel Duchamp's *Fountain* in Art

Major: Art History / Minor: French Studies
Project Advisor: Richard Schindler

Annie Maglione

The Effect of Creative Drama on Children's Self-Efficacy for Peer Interaction

Majors: Psychology and Communication Arts/Theatre
Project Advisors: Deb Dickey and Beth Watkins

Daniel Marcus

The History of Culture and Politics in the NBA

Major: History / Minors: Economics and Communication Arts
Project Advisor: Frank Forts

Colleen McCaughey

From Chorus Girl to Leading Lady: A Political Actor's Journey through American Musical Theatre

Majors: Theatre and Political Science
Project Advisor: Dan Crozier

Kelsey McNary

Recommended Surface Casing Depths to Help Prevent Groundwater Contamination from Hydraulic Fracturing in Western Crawford County, Pennsylvania

Major: Environmental Studies / Minor: Geology
Project Advisors: Rachel O'Brien and Chris Shaffer

Alexandra Miller

The Automobile Industry: Strategies for New Entrants

Major: Economics / Minor: Studio Art
Project Advisor: Stephen Onyeiwu

Amy Ochsenreiter

A Green Roofing Material for Historic Bentley Hall

Major: Environmental Science / Minor: History
Project Advisors: Eric Pallant, Richard Bowden, and President James Mullen

Mike Oliphant

A World Set Apart

Major: English / Minor: Psychology
Project Advisor: Christopher Bakken

Sara Polito

The Effects of Propentofylline on Fetal Tissue Graft Survival and Integration in the Unilateral 6-Hydroxydopamine Rat Model of Parkinson's Disease

Majors: Neuroscience and Psychology
Project Advisors: Jeff Cross and Jeff Hollerman

Brittany Rauzan

Functionalization of Polymers Using Cyano Biphenyl Derivatives with Application for Solar Cells

Major: Chemistry / Minor: Psychology
Project Advisor: David Statman

Benjamin Schwartz

A Story of Leverage: Cyclical Patterns in Consumer Credit Growth

Major: Economics / Minor: Religious Studies
Project Advisors: Stephen Casler and Tomas Nonnenmacher

Anna Shrier

Waiting for Paint to Dry

Major: Studio Art / Minor: Geology
Project Advisor: Sue Buck

Zachary Silberman

V1309 Sco: A Cosmic Lighthouse Showing Astronomers the Way

Major: Physics / Minor: Classical Studies
Project Advisor: Jamie Lombardi

Kelly Smith

The Effects of Conus Textile Venom on the BK Channel, hSlo1.1

Major: Neuroscience / Minor: Religious Studies
Project Advisor: Lauren French

Keiron Stoddart

EPR Studies on the Spin Crossover Characteristics of Trigonal Bipyramidal Metal Clusters

Major: Physics / Minor: Economics
Project Advisor: Doros Petasis

Trista Sykes

Classically-Conditioning Immunity in Sprague-Dawley Rats

Major: Psychology / Minor: Religious Studies
Project Advisor: Rodney Clark

Jillian Tavares

Red Shoes, Revisited: Exploring Confessional Poetry and Feminist Consciousness-Raising

Majors: English and Women's Studies
Project Advisors: Barbara Shaw and Christopher Bakken

Laura Thorn

Not Really a Refugee: A Constructivist Perspective on Changing Forced Migration Norms

Major: Political Science / Minor: German
Project Advisor: Shanna Kirschner

Michael Vlah

Role of Caddisflies in Liberating Detritus-bound Nutrients and Energy to Food Webs in Temporary Alpine Ponds

Major: Biology / Minor: Environmental Writing
Project Advisor: Scott Wissinger

Anulekha Venkatram

From Self to Sisterhood—The Palace of Illusions as an Empowering Revision for Hindu Women

Major: English / Minors: Spanish and Economics
Project Advisor: Lloyd Michaels

Amanda Woodside

Have a Left Frontal Day: Coffee, Depression, and EEG

Major: Neuroscience / Minor: Dance and Movement Studies
Project Advisor: Sarah Conklin

Anna Zimmerman

The Subsidy-Stress Response of Fish Indices of Biotic Integrity (IBIs) to Land Cover for Streams of Northwestern Pennsylvania

Major: Biology / Minor: Psychology
Project Advisor: Scott Wissinger