

Florida Statewide Symposium at the University of Central Florida

ENGAGEMENT IN UNDERGRADUATE RESEARCH

Symposium Program
September 26-27, 2008, Orlando, Florida





THE OFFICE OF UNDERGRADUATE RESEARCH PRESENTS:

JENNIFER BLACKMER

THE GESTURE OF THINKING:

What Undergraduate Research in the Humanities
and Sciences Can Learn From the Performing Arts

JENNIFER BLACKMER is an Assistant Professor in the Department of Theatre & Dance at Ball State University where she teaches playwriting, script analysis, theatre history and directing.

Her most recent play *The Human Faustus Project* explores the ethics of genetic selection and manipulation. This work was written in collaboration with fifteen undergraduates at the Virginia B. Ball Center for Creative Inquiry. It premiered at Ball State in November 2007.

Jennifer Blackmer will discuss her work with undergraduate researchers, highlighting *The Human Faustus Project* during the seminar at UCF.

For her complete profile please visit www.researchsymposium.ucf.edu/bio.php.



Friday, September 26th

1:30 pm-2:45 pm

Student Union, Key West Ballroom

Symposium Schedule

FRIDAY, September 26, Student Union (SU)

11:00-1:00	Registration Key West Foyer
1:00-1:30	Welcome and Orientation Key West 218AB
1:30-2:45	Keynote Speaker: Jennifer Blackmer <i>"The Gesture of Thinking"</i> Key West 218AB
3:00-4:50	Presentations 3:00-3:25 K. Teter, Cape Florida 316 A M. Strawser, Cape Florida 316 B 3:25-3:50 B. Blickensderfer, Cape Florida 316 A E. Everham, Cape Florida 316 B
3:50-4:00	BREAK 4:00-4:25 R. Harrison II, Cape Florida 316 A J. Kaplan, Cape Florida 316 B 4:25-4:50 L. Hawkins, Cape Florida 316 A D. Bowie, Cape Florida 316 B
5:15-6:30	Cocktail Reception and Poster Session Key West 218 CD
7:00	Dinner on your own

SATURDAY, September 27, Burnett Honors College (BHC)

8:00-9:00	Undergraduate Research Directors Meeting with Breakfast Burnett Honors College (BHC) 130
9:00-10:30	Interactive Sessions 9:00-9:45 C. Batsche, BHC 126 L. Jeffries, BHC 128 9:45-10:30 N. Demers, BHC 126 R. Reedy, BHC 128
10:40-12:10	Workshops and Discussions 10:40-11:25 J. Blackmer, BHC 126 A. Morrison-Shetlar, BHC 128 11:25-12:10 M. Savarese, BHC 126 S. Serrano, BHC 128
12:20-1:10	Lunch and Organizational Meeting Student Union, Pegasus ABC
1:15-2:45	Workshops and Discussions 1:15-2:00 K. Bell, BHC 126 R. Harrison II, BHC 128 2:00-2:45 M. Reynolds, BHC 126 A. Jackson, BHC 128
3:00-4:00	Group Interactive Session BHC 130

Friday, September 26, 2008

11:00 am–1:00 pm
Student Union,
Key West Foyer

Registration

1:00 pm–1:30 pm
Student Union,
Key West 218 AB

Welcome and Orientation

1:30 pm–2:45 pm
Student Union,
Key West 218 AB

Keynote Speaker

Jennifer Blackmer, Ball State University
“The Gesture of Thinking:” What Undergraduate Research in the Humanities and Sciences Can Learn from the Performing Arts

3:00 pm–5:00 pm
Student Union,
Cape Florida 316 ABD

Presentations

3:00 pm–3:25 pm
Cape Florida 316 A

Department-Based Undergraduate Research Programs

Ken Teter, University of Central Florida
Last year, the UCF Department of Molecular Biology and Microbiology initiated the Program for Undergraduate Research (PURE). This presentation will give an overview of PURE and will consider program-related topics such as student interest, research progress, general organization, advertising, funding, and assessment. The talk is intended to provide audience members with a blueprint for how to create a PURE program for other disciplines and universities.

Cape Florida 316 B

Assessing Assessment: Toward a Hermeneutic-Phenomenological Perspective

Michael Strawser, University of Central Florida
As a general rule, it seems that philosophers are not particularly fond of assessment. Why is this? In this paper I shall attempt to address these questions by extending a discussion initiated by holistic educators Sharon Solloway and Nancy Brooks in their paper, “Philosophical Hermeneutics and Assessment.”

3:25 pm–3:50 pm
Cape Florida 316 A

Stimulating Undergraduate Research: A Discipline Specific Student Research Conference

*Beth Blickensderfer, Embry-Riddle
Aeronautical University*

The purpose of this presentation will describe and discuss a discipline specific (Human Factors and

3:25 pm–3:50 pm
Continued

Applied Psychology) student research conference. This presentation will discuss the notion of student research conferences, barriers to holding an event of this nature, and strategies to overcome these barriers. Additionally, the presentation will discuss how this type of event can both stimulate undergraduate research as well as to help college and university departments assess the state of their undergraduate research programs.

Cape Florida 316 B

The Campus Ecosystem Model: A Framework for Campus-based Undergraduate Research

E. M. Everham III, S. G. Tolley, J. Kakareka, and M. Savarese, Florida Gulf Coast University

FGCU has developed a framework for integrating research into its undergraduate curriculum by focusing learning-through-research activities on the campus and its watershed. The CEM provides data for examining local environmental trends while exposing students to meaningful, field-based monitoring and experimentation in both their course-work and their individual research projects.

3:50 pm–4:00 pm

Break

4:00 pm–4:25 pm
Cape Florida 316 A

CASTL at the University of Central Florida: Integrating the Scholarship of Teaching and Learning and Undergraduate Research

Richard Harrison II, University of Central Florida

The University of Central Florida (UCF) is one of ten universities that in 2006 was designated by the Carnegie Foundation for the Advancement of Teaching as a leadership institution in the Carnegie Academy for the Scholarship of Teaching and Learning (CASTL). The institutions that comprise the CASTL group seek to foster and encourage the scholarship of teaching and learning as it pertains to undergraduate research. This paper describes the CASTL program and outlines the focus of the CASTL undergraduate research group; describes UCF's rationale for applying for the CASTL designation; and addresses UCF's contributions to date to the CASTL undergraduate research theme.

Cape Florida 316 B

Reaching New Horizons: Suggestions for Motivating Student Researchers

Jeffrey Kaplan, University of Central Florida

Often, students, especially undergraduates, assume that academic research is something sterile, abstract and unique to graduate students locked away in ivory towers, pursuing advanced degrees. This workshop will demonstrate that academic research can be meaningful, practical and most importantly, fun. Studying an academic interest can involve students in understanding not

4:00 pm–4:25 pm
Continued

only a particular topic, but more importantly, how their individual passions can guide their own personal journey towards self-understanding. This will be an interactive session complete with handouts and group discussion.

4:25 pm–4:50 pm
Cape Florida 316 A

You Are the Text: Preparing Undergraduates for Presentations

LouAnne Hawkins and Mary Borg, University of North Florida

Undergraduate students' excitement and enthusiasm about presenting their research findings can greatly enhance a poster presentation or can lead to several common mistakes. Undergraduates need adequate training in all forms of communication in order to become masterful communicators of their research. UNF undergraduates have not only receiving numerous awards for their presentations at professional conferences but have also (as graduates) reported that the skills they mastered readily transferred to post-graduate education and employment settings.

Cape Florida 316 B

Capitalizing on Undergraduates' Research Expertise

David Bowie and Blair Remington, University of Central Florida

We will discuss the experience of conducting fieldwork research on styles of and words used for windows in eastern China. We challenge the often-stated conventional wisdom that research involving undergraduates needs to be constrained and mapped out in advance, due to limitations in their experience and skill sets. We argue instead that creativity in research involving undergraduates is best served by trusting them to be responsible and capable in furthering research.

5:15 pm–6:30 pm
Student Union,
Key West 218 CD

Cocktail Reception with Poster Session

The Role of Teamwork and Peer Mentoring in Undergraduate Research: An Archaeological Case Study

Diane Chase, Arlen Chase, and Amanda Groff, University of Central Florida

Archaeological projects can be an excellent way to involve undergraduate students in research. Rather than working in isolation, students work together in teams, learning and sharing knowledge. Knowing how to work in a team is crucial for the workplace and research. Additionally, it allows for an open environment in which individuals can exchange thoughts, beliefs, and knowledge

5:15 pm–6:30 pm
Student Union,
Key West 218 CD

**Cocktail Reception
with Poster Session
Continued**

without apprehension. Together, teamwork and peer mentoring enhances student engagement as well as affords them opportunities for research development.

Self and Other Awareness Program Development

*Dean Cleavenger and Dominic Brunetti,
University of Central Florida*

We highlight the critical importance of one student-faculty relationship that resulted in the development of a workshop called “Self and Other Awareness Program (SOAP)”. The design of the SOAP program was modeled after current corporate organizational development seminars. In a collaborative effort with a prior student of this course, our student-faculty team set out to design a mini-curriculum to address the needs of this population of business students. The program has met with a significant measure of success and we anticipate a positive response as we further develop this content for future sessions.

**The Caribbean Food Festival:
An Interdisciplinary Framework for
Course-based Undergraduate Research**

*E.M. Everham III, P. Fay, and J. Wisdom,
Florida Gulf Coast University*

FGCU has developed a group undergraduate research framework that connects several elective courses focusing on the study of the Caribbean basin. In alternate Spring semesters, faculty from across the College of Arts and Sciences schedule courses in the same time frame, including combinations of Caribbean Art, Caribbean Literature, Caribbean Environments and Caribbean History. This multidisciplinary approach allows the instructors to bring the classes together for a group research project focused on food.

**An Exploration of Undergraduate Motives for
Entering a Research Experience: Looking at What
They Wanted and What They Got!**

*Karen Mottarella and Shannon Whitten,
University of Central Florida—Palm Bay Campus*

Why do students really enter into undergraduate research experience? Initially, is it primarily a quest for knowledge and skills, and an appreciation of science? Or, are students’ initial motivations for seeking research experience strictly career-oriented, such as acquiring letters of recommendation and enhancing their resume for graduate school? Students’ reasons for engaging in research can serve as the “carrot” to get them involved in an intensely valuable learning experience leading to both acquisition of transferable skills and personal growth (Lopatto, 2007).

5:15 pm–6:30 pm
Student Union,
Key West 218 CD

**Cocktail Reception
with Poster Session
Continued**

Motivating Undergraduate Science Researchers
*Fiona Redway, Teresa Petrino, and John Karen Frei,
Barry University*

The College of Arts and Sciences has incorporated undergraduate research as an offering in its curriculum for students majoring in biology, chemistry, psychology, mathematics and computer sciences. Students carry out research with faculty for credit or are paid hourly wages. Barry provides a nurturing environment which motivates student researchers: faculty provide close one-on-one mentoring in the research labs; dedicated personnel identify students' needs and execute activities to meet those needs; and the research resource room allows students and faculty a feeling of belonging and community.

**Research, Reflection and the Learning
Experience: Multi-Unit Food Service
Operations in Aruba, 2008**

Michael Scantlebury, University of Central Florida
Many courses require that students conduct and present their research as part of their education. The course's objective is to introduce students to challenges, opportunities and risks associated with such multi-unit enterprises. Students reported on what they learned during their research process and what they learned from their colleagues.

**Engaging Transfer Students in Research:
The Summer Research Academy**

Kimberly Schneider, University of Central Florida
The University of Central Florida (UCF) has over 6000 new transfer students enroll each academic year. Often these students only find out about opportunities to engage in research towards the end of their two year stay at UCF. Therefore, to help transfer students engage in research earlier in their career at UCF, we developed a three-day summer term academy. The program was developed in 2004 and has since expanded to include current UCF rising sophomores and juniors. This session will aid participants in developing their own summer research academies and more broadly, discuss best practices.

**What Works Best? Classroom Undergraduate
Research Experiences with Different
Levels of Inquiry**

*Linda Walters and Jane Waterman,
University of Central Florida*
Louis Nadelson, Boise State University
Financial constraints and increasing numbers of

5:15 pm–6:30 pm
Student Union,
Key West 218 CD

**Cocktail Reception
with Poster Session
Continued**

undergraduates interested in research impact opportunities for one-on-one work with faculty mentors. To increase access to undergraduate research (UR) opportunities, three traditional lecture courses were selected for integration of different approaches to undergraduate research. Funded by the UCF CASTL Program, we assessed student perceptions of their class UR experiences.

7:00 pm

Dinner on your own

(Vicinity map of suggestions located on page 18)

UCF Student Union (#1 on map)

Wackadoo's (Sports Bar and Grill)

UCF Knights Plaza

Gemini Blvd. + N. Orion Blvd. (#2 on map)

Maggie Moo's Ice Cream

Red Brick Pizza (Italian)

Subway (Sandwiches)

Tailgaters (Sports Bar and Grill)

University Shoppes

Alafaya Tr. + University Blvd. (#3 on map)

Anmol Indian Cuisine (Indian)

Bangkok Square (Thai, Sushi)

El Cerro (Mexican)

Fusian (Japanese, Sushi)

Millie's Jamaican Cafe (Jamaican)

Underground Blues (Pub)

University Palms Shopping Center

Alafaya Tr. + McCulloch Rd. (#4 on map)

Dragon Court (Chinese)

Giovanni's (Italian)

Saturday, September 27, 2008

8:00 am–9:00 am

Burnett Honors College,
room 130

Undergraduate Research Directors Breakfast

Are you a program director at your university? If so, join this discussion to learn about other programs, share ideas and network. Discussion topics include, but are not limited to, office structure, ideas for print and electronic publicity, fund-raising, workshop series, getting faculty involved, and research student ambassadors. Also, we will discuss creating a statewide research showcase for student researchers.

9:00 am–10:30 am

BHC, rooms 126 and 127

Interactive Sessions

9:00 am–9:45 am

BHC 126

Summer Research Institute in Behavioral Health

Catherine Batsche, Amber Gum, Paul Stiles, and Kathleen Moore
University of South Florida

For the past four years, the USF Florida Mental Health Institute has conducted a Summer Research Institute (SRI) for undergraduates. This session will describe (1) the major components of the SRI including the research symposium, mentored research project, research ethics training and community-based field experiences; (2) the multi-method evaluation framework that has been used to assess the effectiveness and impact of the SRI; and (3) the activities designed to prepare students for graduate school and careers as researchers. It will engage participants in a discussion of practices that have been effective and those that required modification to enhance the experience for students.

BHC 128

Get Involved: Experiential Learning as an Introduction to Undergraduate Research

Laura Jeffries, Florida Community College at Jacksonville

This session presents an adaptable two-stage method of introducing first-year students to the ethos of academic research, motivated by students' natural desire to understand topics of personal and local significance. Participants will work in groups to generate discipline-appropriate experiential learning assignments and leave the session with a blueprint for successful undergraduate research projects. "Get Involved" is relevant to participants from all disciplines, including student activities professionals.

9:45 am–10:30 am
BHC 126

**SCIENTIFIC PROCESS-A Two-Year
Research Plan for Undergraduates**

*Nora Demers, Florida Gulf Coast University
Mason Meers, University of Tampa*

Students are introduced to the philosophy and methodology of the scientific practice in this discussion-format seminar. Through self-practice and collaborative review, students learn: philosophical and practical differences between physical and historical science, ethical issues surrounding the practice of science, hypothesis generation and testing, experimental design, construction of a research proposal, composition of scientific papers, oral presentations, facilitation of discussion, critical review of scientific literature and research proposals.

BHC 128

**Advanced Design Lab “Raising the Bar
in Art and Design”**

*Robert Reedy, Debbi Star,
Krystal Lopez, and Caitlan Mantle,
University of Central Florida*

Three years ago I developed a new philosophy and program for my three-dimensional foundation classes. I call it *Ad Lab* (Advanced Design Lab). In three years *Ad Lab* has generated over \$220,000.00 in income with clients such as Hard Rock Park, Seminole County (FL) Harley Davidson, Harris Rosen Hotels and Resorts, and others. Participants will learn about the benefits of integrating teaching principles with clients and tangible outcomes in a competitive environment. As an institution are we engaged in true interdisciplinary experiences or are we still bound by the traditional boundaries of departments and colleges?

10:40 am–12:10 pm
BHC, rooms 126 and 128

Workshops and Discussions

10:40 am–11:25 am
BHC 126

**The Creative Edge: Enhancing Undergraduate
Research through Creativity and Collaboration**

Jennifer Blackmer, Ball State University

In this interactive workshop, Jennifer Blackmer, plenary speaker for the symposium, will offer participants a range of ideas and hands-on exercises designed to foster creativity, manage collaboration, and encourage critical thinking with undergraduates involved in research projects in any discipline. Included will be discussions on managing group dynamics, exercises to help instructors navigate creatively driven projects, and tips on effectively documenting research processes through student-driven storytelling.

10:40 am-11:25 am
BHC 128

Best Practices in Mentoring Student Researchers: A Panel Discussion

Alison Morrison-Shetlar, Michael Aldarondo-Jeffries, David Bowie, Ken Teter, and Shannon Whitten, University of Central Florida

UCF faculty from a variety of disciplines will discuss strategies and best practices with regard to mentoring undergraduates in research and creative endeavors. The panel will answer questions about mentoring student researchers with regard to getting started in research, setting deadlines and goals, preparing presentations, writing, and preparing students for graduate school.

11:25 am-12:10 pm
BHC 126

Augmenting Faculty Scholarship through Course-based Undergraduate Research Experiences

Michael Savarese and Sharon Isern, Florida Gulf Coast University

There is no better motivating influence to involve undergraduates in research than the potential to increase one's research output. This discussion will identify best practices employed by professors that increase productivity as scholars through activities in the classroom. Participants will be asked to share their own experiences and our collective best practices will be compiled.

BHC 128

Avenues to Enhance Student Engagement in Undergraduate Research at the Smaller Undergraduate Institutions

Susan Serrano and Joseph Macedonia, Florida Southern College

This workshop will consider how to enliven undergraduate research at the smaller institutions. Participants may discuss topics such as: financial feasibility, faculty availability, motivating students, administrative support.

12:20 pm-1:10 pm
Student Union,
Pegasus Ballroom ABC

Lunch and Organizational Meeting

1:15pm-2:45pm

Workshops and Discussions

BHC, rooms 126 and 128

1:15 pm-2:00 pm
BHC 126

Preparing Students to Participate in Undergraduate Research: What We Learned

Kathleen Bell, Andrew Todd, and John Venecek, University of Central Florida

This presentation will focus on our journey as educators to understand how students engage in research. It will also posit how we can extend that understanding in ways to engage students at a level

that will inform their learning style and to encourage them to seek faculty partnerships. Our presentation follows the path of our discovery.

1:15 pm-2:00 pm
BHC 128

**Undergraduate Research Symposia
Across Florida: A Panel Discussion**

Richard Harrison II, University of Central Florida
Naomi Yavneh, University of South Florida
Kimberly Reiter, Stetson University
Melissa Johnson, University of Florida

At a conference devoted to undergraduate research, what more appropriate session could there be than a panel presentation and discussion about undergraduate research symposia? Representatives from four Florida universities discuss their respective institutions' symposia, including the history of the event, the nuts-and-bolts of planning, and the outcomes or benefits for students and faculty. Other topics to be addressed include effective judging of student projects, preparing students for presenting, and deciding on the most appropriate event format.

2:00 pm-2:45 pm
BHC 126

**Best Practices in Undergraduate Research
Journals: Editors, Program Directors, and Programs**

*Margot Reynolds Lagowski,
University of Central Florida*
Creed Greer, University of Florida

This workshop will consider programmatic best practices for undergraduate research journals. Do you want to know more about the challenges of the program, budget management, and recruitment? Join our discussion about these items as well as many others such as: faculty involvement, editorial boards, public relations, advertising, staff, Writing Across Programs (WAP), mentoring and more.

BHC 128

**A Model of Interdepartmental Collaboration for
Student Success: A Roundtable Discussion**

*Audrey Jackson, Jametoria Burton,
and Norine Katich, Florida Community
College at Jacksonville*

This presentation highlights the advantages of interdepartmental partnerships and approaches among non-parallel collaborating departments who share common goals and objectives. Participants will be engaged in a step-by-step process; leading them to formulate a plan of interdepartmental collaboration. They will come away with a potential plan of action which can be implemented at their home institution for enhanced student success.

3:00 pm-4:00 pm
BHC 130

Group Interactive Session

Acknowledgements

Florida Statewide Symposium: Engagement in Undergraduate Research

ORGANIZERS:

Dr. John Schell, Vice Provost, Academic Affairs

Dr. Alison Morrison-Shetlar, Vice Provost & Dean, Undergraduate Studies

Dr. Kimberly Schneider, Director, Undergraduate Research

Ms. Margot Reynolds Lagowski, Editor, Undergraduate Research Journal

Ms. Rachel Odom, Graduate Assistant, Undergraduate Research

MANY THANKS TO:

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Mr. Brian Strickland, Programmer, Undergraduate Studies

Ms. Norma Suarez, Administrative Services, Undergraduate Studies

Mr. Thomas Swanson, Computer Applications, Undergraduate Studies

The Student Undergraduate Research Council

The UCF Student Union

The Burnett Honors College

Symposium Participants and Guests

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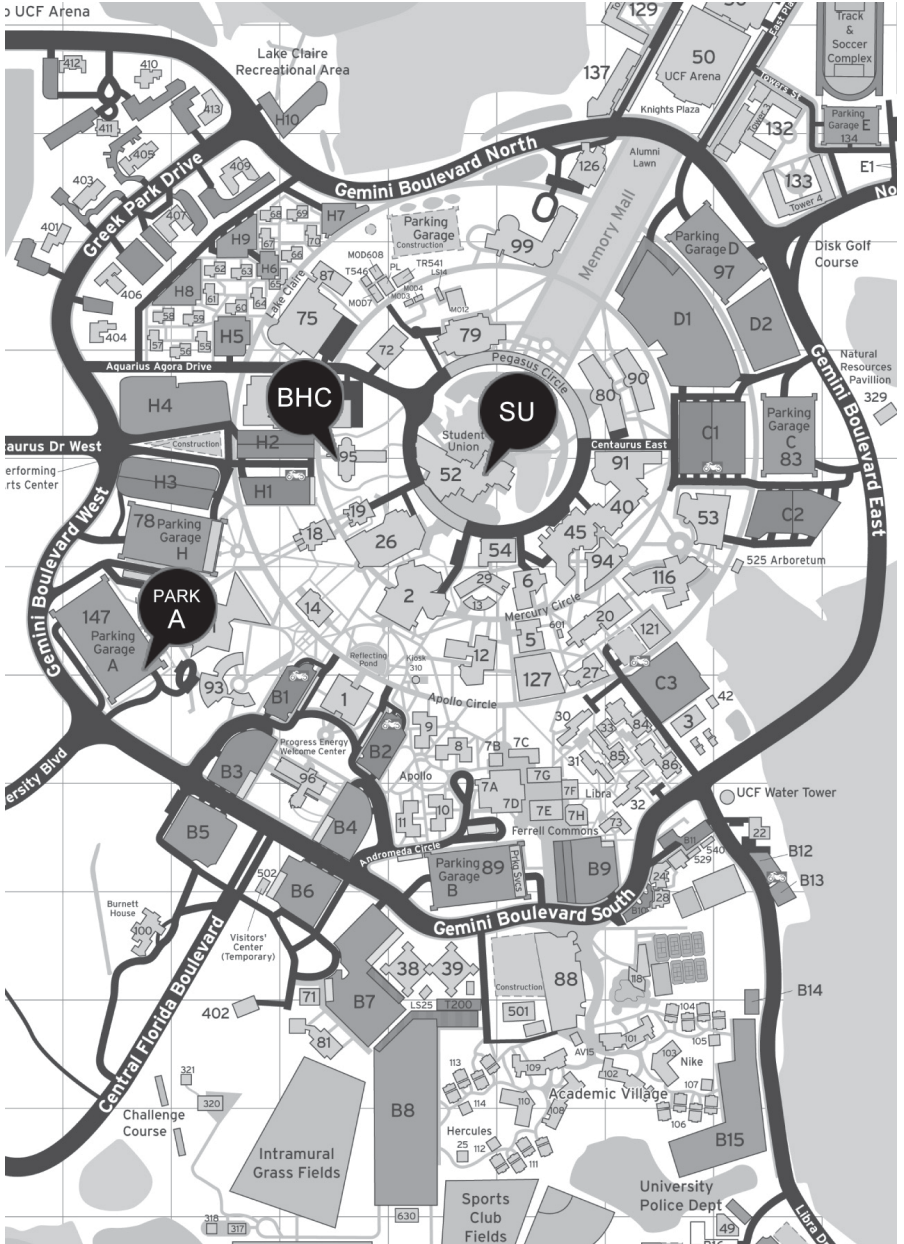
Notes

A series of horizontal dotted lines for writing notes.

Maps & Locations

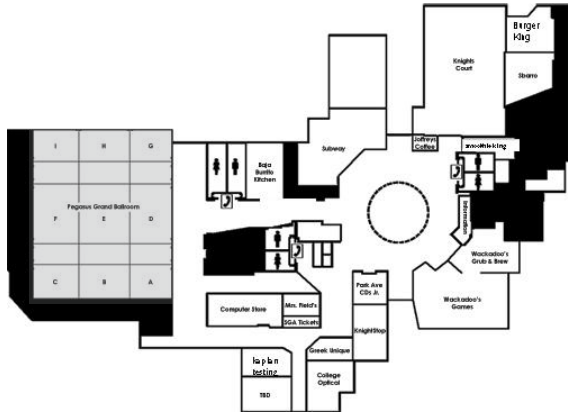
UNIVERSITY OF CENTRAL FLORIDA MAP

Student Union (SU), Burnett Honors College (BHC),
and Parking Garage A (PARK A)

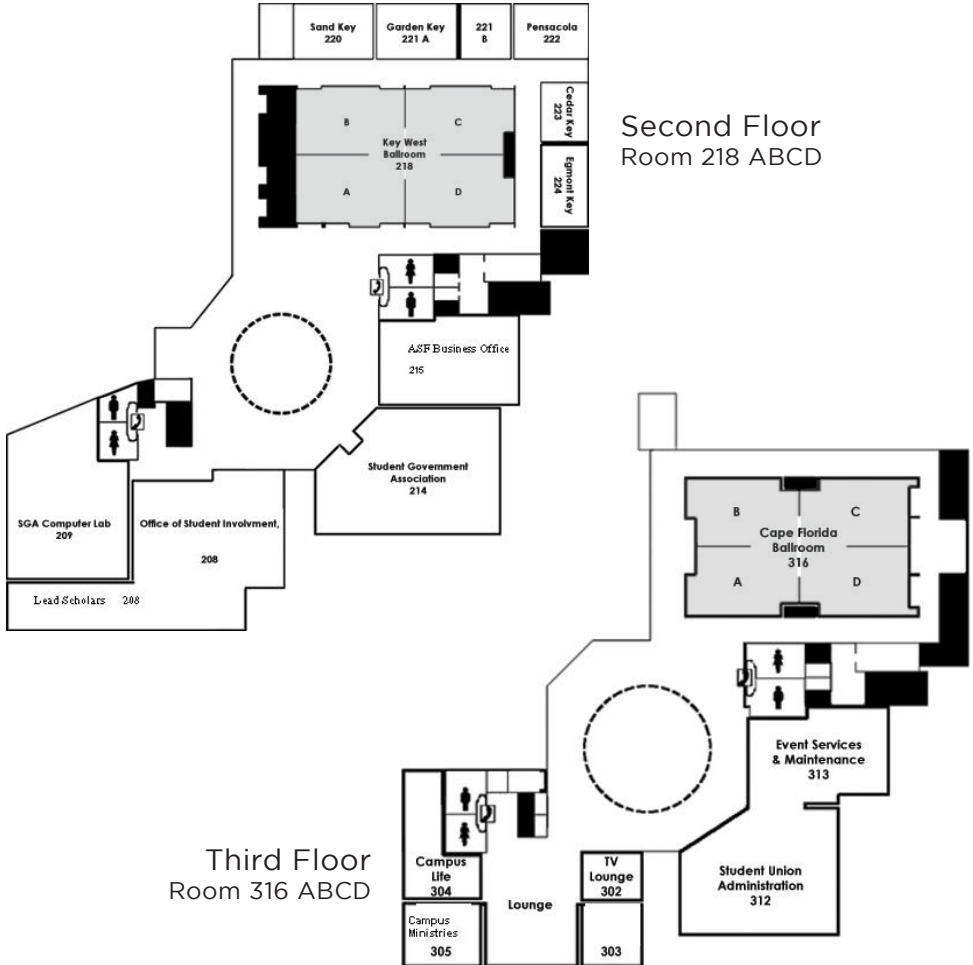


Maps & Locations

STUDENT UNION First Floor Pegasus Ballroom



Second Floor Room 218 ABCD

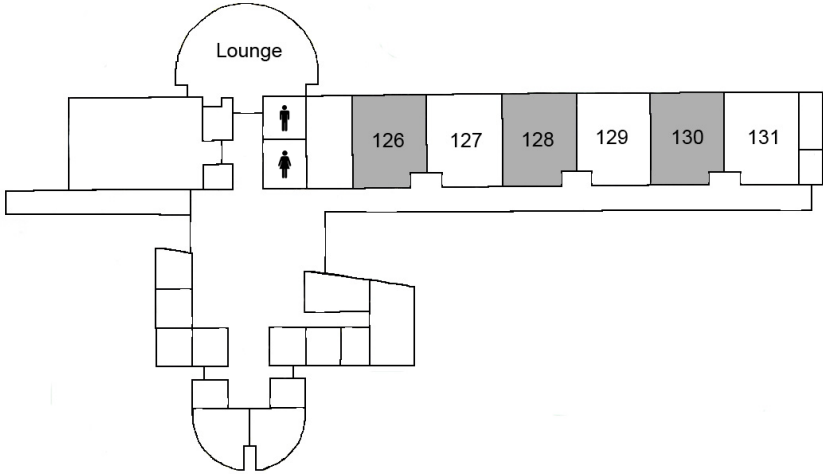


Third Floor Room 316 ABCD

Maps & Locations

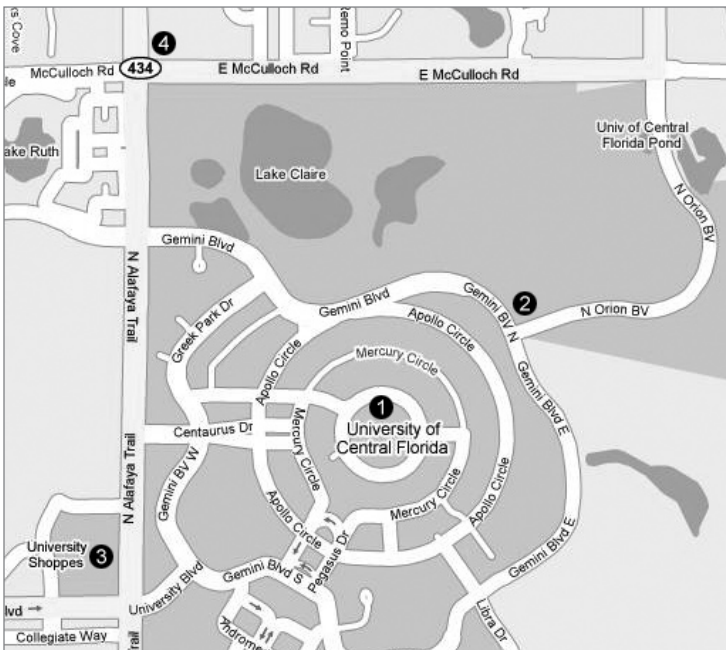
BURNETT HONORS COLLEGE

Rooms 126, 128, and 130



VICINITY MAP

For dinner suggestions, see page 9





OFFICE OF UNDERGRADUATE RESEARCH

University of Central Florida
Computer Center II, 209
(407) 823-3125 • fax: (407) 823-5115
www.OUR.ucf.edu
OUR@mail.ucf.edu