

EAGLE SHOWCASE

EXCELLENCE IN SERVICE-LEARNING

Join students and faculty at the Eagle Showcase to celebrate accomplishments in service-learning



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Annual Showcase

Georgia Southern University
Williams Center

April 18, 2018

Eagle Showcase: Excellence in Service-Learning

Office of Leadership and Community Engagement and The Honor Society of Phi Kappa Phi

2:00 PM—Reception and Opening Remarks

Thank you to the Office of the Provost and Waters College of Health Professions for contributing to this event.

3:00 PM—Award Ceremony

Participant & Faculty Recognition Mrs. Jodi Kennedy, Interim Director, Office of Leadership and Community Engagement

Undergraduate Submissions Dr. Robbie Robichau, Assistant Professor, Institute for Public & Nonprofit Studies

Graduate Submissions Dr. Ken Gassiot, Associate Vice-President for Student Engagement

Service-Learning Facilitators Dr. Urkovia Andrews, Assistant Director for Service-Learning

3:30 PM—People's Choice Award

Graduate Poster Submissions

Assessing Needs and Assets of Adults in a Former Slave Community: The First Step to Addressing Health Disparities

Authors: Maria I. Olivas, MPH, Moya L. Alfonso, PhD, MSPH, Gayle Jackson, PhD, and Alvin Jackson, MD

Faculty Mentor: Dr. Moya L. Alfonso

Course: Fall 2016: Community Health Analysis and Spring 2017: Rural Health Issues

The Willow Hill Heritage and Renaissance serves a historically African American community located in Portal, GA. The purpose of the service learning project involving multiple graduate classes was to identify the needs and assets of African American adults in a rural, underserved community in rural Georgia with the goal of more effectively utilizing the school. Results suggested three best features associated with the Willow Hill community included self-reported good to excellent health and routine doctor's visits. Also, a significant proportion of respondents lacked access to dental care, self-reported zero physical activity, and lack of access to diabetes testing. Interview results suggested transportation, access, and cost to health care was limited. Efforts to address these issues are being made through grant writing focused on developing the school grounds into a park and remodeling part of the school into a comprehensive community health clinic. Student reflections will also be discussed.

From Surviving to Thriving - A strategic plan for Space to Thrive

Authors: Kristie Waterfield, Maureen Akubu-Odero, Pascal Felix, Justin Savage, and Chantavious Wyatt

Faculty Mentor: Dr. Yelena Tarasenko

Course: Health Organizations Strategic and Contingency Planning

During spring 2018, our team of DrPH students are taking the Health Organizations Strategic and Contingency Planning course. We have been tasked to create a strategic plan for a new local nonprofit startup, Space to Thrive. The goal of our service-learning activity is to write a strategic plan that will advance the vision of local breast cancer survivor Jill Johns and her passion to provide stress-free, educational retreats for long-term breast cancer survivors. The strategic plan will be presented in April of 2018.

By participating in this service-learning activity, we have not only learned how to write various components of a strategic plan; we have gained the understanding of why a strategic plan is an important component of a successful organization. This type of hands-on learning is not always compatible with the classroom, and we are grateful for the experience to have a positive impact on breast cancer survivors.

Hearts, Hands, and Service: Student Reflections on their Service Learning Experience

Authors: Ashley K. Mitchell, MSPH; Katrina Brantley, MPH; Alicia Brown, MPH; LaTrina Davis, MPH; Robbie Howard, MPH; Brandon Leftwich, MPH; and Tamara Wright, MPH

Faculty Mentor: Dr. Yelena Tarasenko

Course: PHLD 9135: Public Health Funding and Grants

The Hearts and Hands Clinic is the only primary healthcare facility providing free primary health services for medically uninsured and low-income residents of Bulloch County. A significant growth in number of clinic visits for diabetes care has emphasized the clinic's need for additional resources. As part of the Public Health Funding and Grants course, our doctoral students' team collaborated with the clinic's executive director to develop a grant proposal. Its purpose was to obtain funding for delivering nutritional support, diabetes testing supplies, and laboratory and diagnostic services for diabetes prevention and maintenance. The developed grant application was tailored to community demographics and service needs. It was submitted to Walmart Foundation. Upon completion of this engaging and collaborative service-learning activity, we reflect on skill development, community partnership building, and the importance of service in public health.

Let's Do This Together: Expansion of Hearts and Hands Diabetes Care

Authors: Amber Erickson, Abraham Deng, Kristie Waterfield, Marie-Kaye Seya, Shobana Jayaraman, Chen Mo, Jessica Grippo Pavlick, and Gurleen Roberts

Faculty Mentor: Dr. Yelena Tarasenko

Course: Public Health Funding and Grants

In summer of 2017, our team of DrPH students taking the Public Health Funding and Grants course assisted the Hearts and Hands Clinic in securing a \$50,000 grant from the Healthcare Georgia Foundation to expand the diabetes care and management program. The goal of our service-learning activity was to write a grant proposal to broaden the current abilities of the clinic to include an evidenced-based Team Care approach with a behavioral health component that has high quality and low cost to underserved individuals within Bulloch County. The grant application was funded in fall 2017.

Engaging in a service-learning activity not only taught us how to write various components of a grant, but also helped us understand why certain grant applications are funded. This type of learning is not taught in the classroom, and we are grateful for the experience to have a local impact on our own community.

Supporting Affordable Dental Care for Vulnerable Residents of Bulloch County

Authors: Swaha Pattanaik, Linda Baffo, Abraham Ater, Sarbesh Pandeya, Kristina Harbaugh, and James Thomas

Faculty Mentor: Dr. Yelena Tarasenko

Course: Public Health, Funding and Grantsmanship

During a Public Health Funding and Grants class, JPHCOPH doctoral students from all concentrations worked with the assigned community partner, Hearts and Hands Clinic. The mission of this nonprofit organization is to improve the health and wellness of Bulloch County's low-income and uninsured population. Dental services are the clinic's most requested, but underfunded service. Specifically, the clinic needed a dental assistant to schedule appointments and work with volunteer dental providers. The objective of this service-learning project was to create and submit a funding proposal to the Patterson Foundation, which supports programs that expand access to dental care for vulnerable individuals. The grant was awarded in February 2018. In reflection, this service-learning project resulted in a university-community collaboration. It mutually benefited students, who learned new skills of grant writing and

team science, and the nonprofit organization, which received funding to extend its oral health services and address community needs.

Virtual Model of a Street Intersection within the Blue Mile Corridor in Statesboro, Georgia

Authors: Mariah D. Peart, Spencer M. Rush, Katarina Obermeyer, Cole Anderson, Hunter Boyle, Tyler Cooley, Chris Hash, Kirk Hodge, Daniel Laitano Trundle, John Salter, Jordan Silver, and Tyler Stritt

Faculty Mentors: Drs. Gustavo Maldonado, Marcel Maghiar, and Clinton Martin

Course: TMAE 7890: Laser Scanning, TMAE 7895: Intro to Close-Range Photogrammetry, CENG 4539: Senior Project, and TCM 4530: Senior Project

In fall 2017, a group of graduate and undergraduate students generated a large, 3D, laser-based, point-cloud model of a selected street intersection (South Main St. and Tillman Rd.) in Statesboro, GA. This was accomplished as a service-learning project for the Blue Mile Group and the City of Statesboro. The purpose of the project was to assist the referred group and city engineers, or their designees, in the redesign of this street segment, as part of the revitalization of Downtown Statesboro. To assure the engineers are receiving an accurate model, a measurement comparison analysis was conducted between the finalized virtual model and actual field distances captured with a more traditional and accurate surveying instrument. The model was also geo-referenced in the Georgia East State Plane Coordinate System. By performing these tasks, the authors fully learned the operation of advanced technology to solve real problems affecting the community at their university town.

Undergraduate Poster Submissions

Benefits of Equine Assisted Therapy

Authors: Morgan Kilpatrick, Abigail Martin, and Katherine Verboom

Faculty Mentors: Dr. Kropp and Dr. Maurer

Course: FYE 1410 Section A

Stirrup Some Fun is an Equine Assisted Therapy (EAT) program provided at Fletcher Park in Statesboro, Georgia. All three of us have volunteered here over the past two semesters and have gained 25 hours of volunteer experience each. Known benefits of EAT include physical as well as psychological benefits. Through service-learning, we have been able to see these benefits first-hand and relate them to the content we have gone over in class. To gather information for our research, we wrote blogs throughout the time spent volunteering and collected our first hand experiences along with other students that participated in the volunteering. Through blogs, in class discussions, and our experience at service-learning, the work we have accomplished has benefitted more than just the clients, but has benefited us as well. It has become much more than merely volunteer work, thus further solidifying the bond between service and learning for us.

Benefits of Service Learning Youth Development

Authors: Victoria Harper and Dr. Alice Hall

Faculty Mentor: Dr. Alice Hall

Course: CHFD 3135: Youth Development

The purpose of this study was to assess the benefits of the service learning component in CHFD 3135 - Youth Development. Every semester the students in CHFD 3135 are required to complete 14 hours of service learning in one of three after school programs in Statesboro: Boys and Girls Club, Cone Homes, and the Statesboro-Bulloch County Parks and Recreation (SBCPRD) After School Program. Students are asked to take a survey regarding their service learning experience on the last day of classes. Of the 236 students enrolled in CHFD 3135 from the Fall 2015 to the Fall 2017, 178 responses were completed, a 75% return rate. The mean scores on the 20 survey questions

ranged from 3.10-4.6 (on a 5-point scale). The overall mean was 4.10 on all 20 questions indicating an overall positive experience. The most common word listed as most liked about the service learning experience was the children.

Modeling the existing condition of a historic property to assist the Portal Heritage Society in its preservation efforts

Authors: Jacob McCranie, Mariah Peart, Daniel Cirincione, Jake Harrell, Blake Stalnaker, Bryan Taylor, and Joshua Vinson

Faculty Mentors: Drs. Marcel Maghiar and Gustavo Maldonado

Course: CENG 4539: Senior Project and TCM 4530: Senior Project

Historical remains are a reminder of what our society used to be and it is our responsibility to preserve them so their significance will not be forgotten. Our service-learning Senior Project consisted in scanning the old and deteriorated Stewart House in Portal, Georgia, using a laser-based scanner to produce a virtual, three-dimensional, point-cloud model of it. The home, established in 1908, was the residence of the principal medical professional of Portal, James Stewart, until the 1950's. The final model was presented to graduate student LynDee Winterton, who completed her Master's Project around it to assist the Portal Heritage Society in its preservation efforts. This organization would now be equipped to restore the home and reopen it to the public as a museum. This project gave our Civil Engineering and Construction team an opportunity to assist our community in a service learning format and great understanding of the laser scanning techniques.

Rethreaded: Service Learning Through Charity Thrift Store Promotional Problem Solving

Authors: Amanda Johnson, Simone Barbour, Brianna Dillion, Terrell Lowry, and Amber London

Faculty Mentor: Dr. Addie Martindale

Course: FMAD 4234

This service learning project worked with a local charity thrift store Worn Threads to solve a promotional problem they were facing. The purpose of this project was to present the store with a solution and implementation plan they could use to increase awareness, develop a network of volunteers and shoppers, and lead them to increase their profits and benefit the community through their valuable services. To complete this project we first met our client to discuss their business operations and promotional problem. Then, we conducted research and developed an implementation plan. As a final step in the project, we presented our proposed solution to the managing volunteer of the store and provided him with clear direction on how the store's volunteers could carry out our suggested plan. As an extra step, members of our group will be volunteering to help the store put into place the promotional plan that we developed.

Stirrup Some Service

Author: Andrea Appleton

Faculty Mentors: Dr. Kropp and Dr. Maurer

Course: FYE 1410 H

Statesboro, Georgia is a town with an unassuming need for a therapeutic, social program with a focus on individuals with disabilities. Haley Dent, with Statesboro-Bulloch Parks and Recreation, is implementing such a project at Stirrup Some Fun, an equine-therapy-based riding experience that celebrates the strengths of each participant while challenging them to encourage growth. The triumphs of each rider, such as an increased range of motion, improved

flexibility, and enhanced motor skills can be observed physically during each session, but successes such as high self-esteem and more efficient communication can be observed as well as felt by all involved. Literature on animal-assisted therapy suggests that the physical benefits last only as long as the treatment, but the character development and maturation achieved by the participants lasts a lifetime.

3D modeling of the Allen E. Paulson Stadium at Georgia Southern University

Authors: Katarina L. Obermeyer, Corey Stewart, Vernon Herrington, Michael Herren, Justin Keck, Tom Schwarzer, and Eric Smith

Faculty Mentors: Drs. Gustavo Maldonado and Marcel Maghiar

Course: CENG 4539: Senior Project and TCM 4530: Senior Project

This service-learning work consists in generating a virtual, 3D model of Georgia Southern University's football stadium. It is currently being completed by two groups of Senior Project students. The model is produced via a state-of-the-art remote sensing instrument. It accurately captures existing spatial geometry into a large cloud of points where each point contains its own x-y-z coordinates and color information. Currently, 104 laser scans have been completed. They fully captured the entire football field, stands, decks and the outer perimeter of field houses and concession stands. The final model will be donated to the Georgia Southern Athletic Department. It can be used in the future to obtain accurate virtual distance measurements throughout the stadium for remodeling or expansion purposes. Additionally, model-based, fly-through, video clips could be used in advertisement or for public entertainment. Authors' learning and motivation was catalyzed by the fact this work represents service to their university.

3D Point-Cloud Models and Accuracy Comparison of an Intersection for the City of Statesboro

Authors: Dylan Mesta, Katarina Obermeyer, and Vernon Herrington

Faculty Mentors: Drs. Marcel Maghiar and Gustavo Maldonado

Course: TCM 4530: Senior Project and CENG 4539: Senior Project

This project is about creating two 3D models of a Statesboro city intersection in Statesboro community and compare the accuracies of both to that of a survey's total station. Models will be produced via laser scanning and by an unmanned aerial vehicle (UAV) taking aerial pictures (close-range photogrammetry). Both models are including radial and long-range distances for comparison purposes. The 3D model created from the laser scanner is expected to be very accurate while the accuracy of the 3D model created through photogrammetric procedure is relatively unknown. If the photogrammetric model is not accurate enough, steps will be taken in an attempt to improve the accuracy as much as possible. After these two virtual models capturing existing conditions in the field will be completed, they will be sent to the city of Statesboro engineers to assist in redesigning this busy intersection in the near future.

Community partner: City of Statesboro, Engineering department

Many thanks to our judges:

Dr. John Peden, Professor and Program Coordinator, Recreation and Tourism Management

Dr. Kimberly Harris, Associate Professor, Program Coordinator of MEd in Curriculum & Instruction in Accomplished Teaching, Department of Teaching & Learning

Mr. Sean Bear, graduate student, DrPH in Community Health

Celebrating Excellence in Service-Learning

According to Georgia Southern's mission statement, "The University's hallmark is a culture of engagement that bridges theory with practice, extends the learning environment beyond the classroom, and promotes students growth and life success." In keeping with the mission, through numerous service-learning activities, students and faculty contribute to the university and local community. In an effort to celebrate such contributions, the Office of Leadership and Community Engagement, in partnership with The Honor Society of Phi Kappa Phi, presents the annual Eagle Showcase: Excellence in Service-Learning. All Georgia Southern University students, graduate and undergraduate, were invited to showcase their service-learning projects. We hope this showcase will connect you to meaningful service-learning opportunities and encourage you to build partnerships and address genuine community needs.

A Special Thanks to Our Sponsors



Showcase Organizing Committee

Dr. Urkovia Andrews, Assistant Director of Service-Learning
Dr. Padmini Shankar, Professor, Nutrition and Food Science
Ms. Tory Willis, Graduate Assistant of Service-Learning