

SIAP Pedagogy Training



On Tuesday, February 19th, Dr. Crombie of the Southern Initiative Algebra Project visited our department to provide pedagogy training to our Faculty. This training session was part of our ongoing mission to pursue innovative teaching methods to improve student success. The workshop completed the training Dr. Crombie first attempted to provide in November of last year, which was unfortunately cut short due to inclement weather.

The SIAP's innovative pedagogy brings several calculus concepts into the realm of algebra by providing purely algebraic methods for calculating the derivatives and integrals of polynomial functions. This allows students to approach several core aspects of calculus without needing to first learn to handle limits, a step that can often hold students back. By delaying the need for limits, the new pedagogy aims to transform calculus from a challenging barrier to STEM into an accessible pipeline for STEM. Such a transformation would improve STEM access for many disadvantaged students.

After the training session, the department treated Dr. Crombie to lunch. Dr. Crombie then spent some time visiting our new MAT 110 and 111 labs. He commented positively on the project and suggested that we write and NSF proposal based on the lab experience. The department gave Dr. Crombie a copy of the lab manuals for his reference.

The department appreciates Dr. Crombie returning to our university to share this pedagogy with us and further aid in our efforts to continuously advance our instructional capabilities.

Department Joins Penn State HBCU Consortium



Over the past several months, the department has been working with Dr. Jason Gines, from Penn State, University, who has been spearheading efforts to create an HBCU Partnership Consortium. Dr. Gines has recruited involvement from several HBCUs throughout the northeast, including Bowie State University, Morgan State University, Norfolk State University, the University of the District of Columbia, and Virginia State University. As one of the nation's first HBCUs, we are proud to represent Lincoln University in this partnership.

The consortium's is still in the process of forming, so much of our current discussions involve identifying common goals across the various partner universities. At the forefront of the conversation is creating opportunities for co-curricular activities for underrepresented students, as well as partnerships and other networks to aid our students in pursuing employment or further education after graduation. The consortium could also serve as a useful way for faculty to identify and foster collaborative research projects across the partner universities.

To help further the development of the HBCU Partnership Consortium, Penn State will be hosting an Inaugural Symposium Meeting at the end of April. This meeting will allow representatives of the partner universities to meet in person on Penn State's campus, so we may further develop the specific details of the partnership. Penn State has graciously offered to fund all travel expenses for the representatives of the partner universities. This is an exciting opportunity for Lincoln University and the other HBCU partners. We would like to thank Dr. Gines and Penn State University for spearheading this opportunity and for fully funding the Inaugural Symposium Meeting.

Department of Mathematical Sciences Faculty and Staff

Dr. Maiko Arichi

Dr. Zachary Carson

Dr. Panakkal Mathew

Ms. Martha Parisan

Dr. Laurellen Treisner

Prof. Abel Ayele

Dr. Michael Faulkner

Dr. Patrick Mwerinde

Dr. Jawahar Pathak

Dr. Penglong Xu

Dr. Tong Banh

Dr. Moses Haimbodi

Dr. Ranjan Naik

Dr. Claude Tameze

Dr. Vesna Zeljkovic