INTRODUCTION
Across the academy, schools of pharmacy are integrating the clinical, pharmaceutical, social and administrative sciences in their curricula to prepare ‘practice ready’ students (1, 2, 3, 4). Integrated curriculum models have many challenges and require integrated assessments to measure student mastery of learning outcomes (2). At the Gregory School of Pharmacy, integrated pharmacotherapy courses organized by body systems are complimented by longitudinal case studies courses emphasizing the Pharmacist Patient Care Process (PPCP).  

OBJECTIVES
The pilot process for the incorporation of the pharmaceutical, social and administrative sciences into the PPCP in the Case Studies in Pharmacotherapy IV course is described.

METHODS
In the Spring 2018, faculty were consulted early in the case development process to incorporate pharmaceutical, social and administrative science content. A verbal defense assessment was utilized to measure the students’ ability to apply knowledge of these sciences to develop a Patient Care Plan. This assessment served as one of the determinants of student performance at the individual and course levels. The scores were mapped to Appendix 1, program outcomes, and one of the determinants of student performance at the course level. It was determined by administering a pre and post survey.

CASE DEVELOPMENT PROCESS
I can integrate and apply knowledge of pharmaceutical and clinical sciences to an appropriate pharmaceutical care.

DISCUSSION
The pilot established a process for integration of the pharmaceutical, social and administrative sciences in case development. Assessments were piloted via questions in the verbal defense assessment in the course. The verbal defense assessment allowed facilitators to measure deeper learning through Socratic questioning. The use of integrated questions demonstrates to students how knowledge in all areas is necessary to provide effective patient care. The goal is for students to employ the full range of pharmacist knowledge in the context of the PPCP. The post-survey revealed an increase in student confidence in their ability to integrate biomedical, pharmaceutical, and clinical sciences into the PPCP. Students performance in this cohort on the verbal defense was above 85% across the all mapped domains. Moving forward, assessments will specifically be mapped to sub-disciplines, including social and administrative sciences, pharmacology, pharmaceutics, and medicinal chemistry.

CONCLUSION
Integrating pharmaceutical, social and administrative sciences through the course series is an effective way to utilize previous knowledge and develop the skills necessary to practice optimal pharmaceutical care.