

## Provost Diversity Curriculum Grant Awardees 2021

1. Elizabeth Arnold & Laura Taalman (Math & Stats). Topic: Developing courses for new Haynes Learning Community for BIPOC students in math majors. This will be a curriculum development centered on Math 167– a topic course on issues of mathematical equity, inclusion and representation, as well as Math 297 undergraduate research course for early exploratory research and collaboration with a cohort of BIPOC mathematicians.
2. Brycelyn Boardman (Chemistry & Biochemistry). “The role of racial injustice and bias in the sciences.” To develop a new General Education Cluster 3 course that forces on the personal and systematic racial inequities and injustices in the sciences.
3. Anthony Teate (Integrated Science and Technology), revising ISAT data science courses to ameliorate algorithmic bias. Title: Understanding How Data Bias Leads to Algorithmic Bias in Data Science by Intentionally Building and Developing Biased Machine Learning Models. Purpose of the course revision is to improve two existing courses so that they become valuable for their diversity and inclusivity learning outcomes.
4. Dorothy Maddison & Don Rierson (School of Music). Title: Decolonizing and Enriching the Opera World: A Presentation of a One Act Nigerian Opera base on the Folktale of ‘The Farmer’s Daughter Becomes a Musician.’ A live performances and video recorded in a manner for class lecture presentations to increase diversity in multiple course settings.
5. Zareen G. Rahman (College of Education). Title: Developing a Culturally Responsive Mathematics Pedagogy for Future Math Teachers. The long-term goal of the project is ultimately to develop a community of JMU math teachers that embrace culturally responsive math teaching pedagogy.
6. Erica Cavanaugh (College of Arts and Letters). Title: Translating an existing upper-level course on trauma/resilience into an appropriate General Education offering
7. Israa Alhassani (Department of Foreign Language). Title: Arab Streets: The development of a Custer 2 Global Culture Humanities class that explores the diversity of Arab and Middle Eastern cultures.