

Table 1: Summary of STEM courses redesigned with Inclusive Pedagogy Goals

DISCIPLINE	TITLE & INSTRUCTOR	PROJECT DESCRIPTION
Biology	Developmental Neurobiology Dr. Elena Silva	Upper-level Biology majors examined the role of diversity in experiment design in the field, and considered disparities in scientific literacy and accessibility. Therefore, they discussed the importance of diversity in science within the context of the topic.
Geoscience	Environmental Geoscience Dr. Sarah Stewart Johnson	Students participated in a project to open-up access to field studies of water-quality for those with physical disabilities; allowing individuals to participate in these studies despite physical disabilities. Students helped to produce 360-degree, immersive videos. This encouraged students to engage in questions of who

		can participate in science.
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Human Science	Physiological Adaptations Dr. Jason Tilan	Pre-Health students examined the role of social diversity in creating or exacerbating conditions that led to the physiological adaptations under study, thus expanding their definitions of ‘scientific explanations’ for phenomena.
Mathematics & Statistics	Introduction to Mathematical Statistics Dr. Nicole Meyer	Students assessed and critiqued the myriad ways in which statistics are used to describe difference both between and within groups of people, using historical illustrations of the impact of statistics on justice and equity.
Biology	Biology Pedagogy	Course was meant for students who would teach as undergraduate teaching assistants for the first time. Students were

	Dr. Youngeun (Kaitlyn) Choi	asked to devise active learning tools to explain foundational concepts in Biology, and examined issues at the interface between science and society.
Biology	Science Pedagogy: Principles and Practices Dr. Kasey Christopher.	Course is part of the RISE and Teach Program, where seniors learn about science pedagogy, and in partnership with local DC schools, serve as teaching assistants in STEM classrooms in the district. Dr. Christopher redesigned the pedagogy reading list and course to focus on inclusive pedagogy in STEM education.