WHY GENETICS?
As a part of the broader Biology Initiative at MSU (see Matz & Jardeleza poster), genetics has been targeted across many courses and majors as a common concept. This cross-cutting theme is part of 38 courses, ranging from gateway introductory to capstone, in BLD, BMB, BS, CSS, LB, MMG, PLB, PLP, PSL, and ZOL. One of these courses, Fundamentals Genetics (ZOL341), is of particular concern and is thus targeted for reform efforts by the Committee to Advance Teaching Genetics (CATG).

VIZIONS FOR CHANGE, CONTINUED
Curricular changes shaped around instructor and student goals and student intended future professions will be proposed. We will use these to identify “big ideas” and skills necessary for our students across their MSU tenure. Thus far we have surveyed students regarding:

1. First Choice for Future Profession

2. Assessing Big Ideas & Confidence in Genetics

GUIDING DOCUMENTS
American Association for the Advancement of Science (AAAS). 2011. Vision and Change in Undergraduate Biology Education.