

1106-M5-2358 **Mary Majerus*** (mary.majerus@westminster-mo.edu). *A Second Course in Undergraduate Statistics with an Interdisciplinary Approach.*

At our undergraduate liberal arts institution, there is a predominant expectation of upperclassmen completing research or internship experiences. In our department the introductory course in elementary statistics, which follows the Guidelines for Assessment and Instruction in Statistics Education (GAISE) College Report, has demonstrated effectiveness through assessment of course learning goals and objectives. This course, however, was not necessarily sufficient for students in the natural and social sciences who wished to engage more fully in undergraduate research. The departmental response to this was the design of a second course in statistical methods which required the introductory course as a prerequisite. The appeal of the course was to prepare students for more advanced research methods in their own disciplines in the subsequent year(s). Through this session, participants will learn of the course learning objectives, how those goals were met, and the interdisciplinary nature of the course and projects which ultimately served as one measure of success in the course. (Received September 16, 2014)