

1077-E5-2503 **Milo Schield*** (Schield@Augsburg.edu), Augsburg College, Minneapolis, MN 55454. *Teaching Statistical Literacy Entirely Online: 2011*. Preliminary report.

Statistical Literacy is a catalog-approved course at Augsburg College. In 2011, this innovative full-semester course for students in non-quantitative majors was taught totally on-line in an accelerated six week format for the second time. The course used Moodle exercises and Odysseys2sense(TM): a revolutionary web forum that promotes civil discourse via anonymous peer review. Participants used Odyssey to discuss their analyses of statistics in graphs and short essays. This was an intense course. During the 6 weeks they completed 73 Moodle exercises averaging 10 questions each, they analyzed 14 news stories and they gave weekly feedback on the course. These exercises included calculating the influence of different definitions on the size of a statistic, calculating the change in an association after taking into account the influence of a binary confounder and calculating the number of cases attributed to a given factor. Student evaluations of the textbook, the Moodle exercises, the use of "Odyssey" and the online course are analyzed. This course demonstrates how critical thinking about statistics in the everyday media can be taught on-line at an accelerated pace in a way that encourages reflective dialog, is scalable for large classes and is manageable for the teacher. (Received September 22, 2011)