

1035-B1-1683 **Paul H. Schuette*** (schuette@meredith.edu), Department of Mathematics, Meredith College, 3800 Hillsborough Street, Raleigh, NC 27607-5298. *Teaching a course on biodiversity*. Preliminary report.

We shall discuss some of the issues and challenges of teaching a course on biodiversity. Our course is team taught with a mathematician and a biologist, and is a senior capstone experience course. We have developed explicit links between biology, mathematical models, and technology to implement models. The technology we have employed includes Excel spreadsheets and agent based models written in Netlogo. We shall discuss some of the challenges and limitations of employing our problem based learning approach. (Received September 20, 2007)