1023-K1-1218   **Katrina M Palmer*** (`palmerk@appstate.edu`), 121 Bodenheimer Dr., 346 Walker Hall, Boone, NC 28608, and **Rene Salinas** (`salinasra@appstate.edu`), 121 Bodenheimer Dr., 340 Walker Hall, Boone, NC 28608. *Biological Applications Across the Mathematics Curriculum at Appalachian State University.*

The Mathematical Sciences department at Appalachian State University is creating a Life Sciences concentration for a B.S. degree in Mathematics. With this degree in mind, our mathematical biology group incorporates biological applications in a variety of courses ranging from our liberal arts/non-majors course to a senior level modeling course. In this talk we will discuss how discrete population modeling can be used in the entire range of the curriculum. Particular attention will be given to Leslie Matrix models. (Received September 25, 2006)