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Charles A Matthews* (cmatthews@sosu.edu), Department of Mathematics, Southeastern Oklahoma State University, Durant, OK 74701. *The Foundations of Mathematics course at Southeastern.*

For about 15 years all math and math education majors at Southeastern Oklahoma State University have been required to take a transitional course to bridge the gap between calculus and upper-level proof-based math courses. In this course students are expected to learn how to read and write proofs and think mathematically. Over the last 15 years the course has changed from a support class which helps students succeed in other courses to a class that many consider to be the most important class for majors. Many students have commented that this is the course where they learned what advanced mathematics is really about. This talk will cover details about the course, our students, and the textbook developed by our faculty. (Received August 24, 2007)