1003-A1-831   **Robert E. Buck*** (`robert.buck@sru.edu`), Department of Mathematics, Slippery Rock University, Slippery Rock, PA 16057. *Conjecturing.*

A one-credit seminar course for junior-senior mathematics majors is described. The topic for the seminar is continued fractions, taught by a modified Moore Method, where the focus is on the students creating their own mathematics. The students make conjectures after completing computational problems, argue for them in class, then work on refining the needed hypotheses, proving the results, and presenting them to the seminar. (Received September 30, 2004)