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Timothy G. Feeman* (timothy.feeman@villanova.edu), Dept. of Math Sciences, Villanova University, 800 Lancaster Ave., Villanova, PA 19085-1699. *Research Experience for All!*

This talk will recount my experiences co-teaching the senior math major seminar at Villanova University under the title "Research Experience". The goal of the seminar was to guide each student through the many steps of the mathematical research process, from reading something that catches one's interest, to formulating questions of one's own, and ultimately presenting one's ideas both orally and in writing. Students worked in small groups to read journal articles intended for an advanced undergraduate readership. Then each group formulated and worked toward the solution of problems generated from their reading. Along the way, the groups created portfolios to document their work, made presentations to the class, and submitted written reports. Unlike an REU, this seminar was completely open, involving every senior math major at Villanova University in the creative process. Examples of student work will be included in the presentation. (Received September 07, 2007)