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Philip K Hotchkiss* (photchkiss@wisdom.wsc.ma.edu), Department of Mathematics,
Westfield State College, Westfield, MA 01086. *The Senior Seminar: Bringing 20th Century
Mathematics to the Fore.*

Most of the mathematics courses at the undergraduate level consist of material that dates from the 19th century or earlier. As a result, many students (even mathematics majors) see mathematics as a static subject, not realizing that there has been more mathematics produced in the 20th century than in the combined history prior to that. They are unaware of the major unanswered questions and "new" areas of mathematics that are shaping the directions of mathematics and its applications. A senior seminar is a perfect place to address some of these issues and provide a capstone experience for our upper class students. At Westfield State College, our Senior Seminar focuses on 20th Century mathematics, and in my talk I will describe the course: explaining the rationale for it and its role in our program, as well as discussing the curriculum, including the texts and associated readings. I will also share my resources with those who are interested in using or adapting them including course synopsis, writing assignments and project assignments. (Received September 15, 2000)