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Charlie L Smith* (marianmc@planetkc.com), Mathematics Department; Box 30, Park University, 8700 NW River Park Drive, Parkville, MO 64152. *A Design for an Undergraduate Capstone Seminar in the History of Mathematics*. Preliminary report.

This presentation will describe a blueprint for an appropriate culmination course in the journey of the mathematics major: an opportunity to learn and appreciate the exciting history of the discipline. Special emphasis will be placed on classic theorems, their proofs and applications. Examples of such proofs and accompanying student exercises will be demonstrated. Various modes of student participation will be discussed. An argument will be made in support of the proposal that a course in mathematics history should be mandatory for all math majors. (Received August 03, 2000)