1035-V1-1710   **Shahriar Shahriari*** (`sshahriari@pomona.edu`), Department of Mathematics, Pomona College, 610 N. College Ave., Claremont, CA 91711. *Thematic Calculus: Approximations and Primes.*

If our students have gone through a year of calculus in high school, can do routine calculus problems, but are still in need of a deeper understanding of the subject, then why not teach them a thematic calculus course that takes advantage of their prior experience while deepening their analytical skills? We present the outline of such a course that I have taught, for a number of years, at Pomona College. In this course the theme is approximations and an important test case is the approximation of the number of primes up to an integer. (Received September 20, 2007)