1135-H5-1252   **Manmohan Kaur*** (`mkaur@ben.edu`), Department of Mathematics, Benedictine University, 5700 College Road, Lisle, IL 60532. *An Inquiry General Education Mathematics Course for Students in the Humanities, Fine Arts, and the Social Sciences.* Preliminary report.

Over the centuries, mathematics has played an important role in almost every aspect of human development. Mathematics is more than crunching numbers and following rules. It is about finding patterns, solving problems, and thinking logically and critically. It is about interpolating, extrapolating, building models, and solving puzzles. In this presentation, we will discuss a course that presents the beauty and elegance of mathematics to liberal arts students in their first two years of college, by delving into some intriguing and ground breaking mathematical concepts. This survey course is designed to provide the students with a broader understanding and appreciation of mathematics. It has less focus on algebra, and more on discovery. The course satisfies the 'quantitative and computational' mode of inquiry requirement of the liberal arts curriculum at our institution, and is designed for students who do not require a mathematics course for their intended major. (Received September 20, 2017)