

1096-G5-2526 **Andrew B. Perry*** (aperry@springfieldcollege.edu). *Sports Analytics with Elementary Math.*

In the Fall 2012 semester, the author was charged with developing a Sports Analytics class at Springfield College. This class was to demonstrate the power of mathematics to students with modest math backgrounds, and to do so in a manner that would captivate the many sports fans in the college's student body. This talk will discuss some of the most intriguing units developed for this course- some of which may be able to be incorporated into traditional courses like algebra and statistics. For example, this course analyzes the mathematics behind decision making in football: when to punt, when to attempt a two point conversion, and when it may even sense to take a knee at the opponent's goal line when it might be possible to score a touchdown. In baseball, we consider efforts to quantitatively measure the offensive production of batters with a single number. (Received September 17, 2013)