According to the seventh annual Sloan Survey of Online Learning reveals that approximately 4.6 million students were enrolled in at least one online course in fall 2008 in the United States which is an increase of about 17 percent from a year earlier. Moreover, according to a 2009 meta study from the Department of Education: “Students who took all or part of their class online performed better, on average, than those taking the same course through traditional face-to-face instruction.” Students who mix online learning with traditional coursework (i.e. blended learning) do even better. In this study, an attempt has been made to investigate the results obtained by the meta study. A traditional statistics course designed for education major has been compared with the same course delivered online. (Received September 22, 2010)