1114-57-202   **Elena Pavelescu*** (`elenapavelescu@southalabama.edu`), University of South Alabama, Department of Mathematics and Statistics, Mobile, AL 36608, and **Danielle O'Donnol**, Indiana University, Department of Mathematics, Bloomington, IN 47405. *The total Thurston-Bennequin number of complete and complete bipartite Legendrian graphs.* Preliminary report.

We introduce the basics of Legendrian graphs, with a focus on the Thurston-Bennequin number. We define a new invariant called the total Thurston-Bennequin number of the graph. We show that this invariant is determined by the Thurston-Bennequin numbers of $3-$cycles for complete graphs and by the Thurston-Bennequin numbers of $4-$cycles for complete bipartite graphs. We discuss the consequences of these results for K_4, K_5 and $K_{3,3}$. (Received August 27, 2015)