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A graph  $G$  is called  $F$ -saturated if it does not contain any copy of  $F$ , but for any edge  $e$  in the complement of  $G$  the graph  $G + e$  contains some  $F$ . The minimum size of an  $n$ -vertex  $F$ -saturated graph is denoted by  $sat(n, F)$ . We give almost exact asymptotics for  $sat(n, C_k)$  as  $k$  is fixed and  $n \rightarrow \infty$  where  $C_k$  is a cycle with length  $k$ . This is a joint work with Zoltán Füredi. (Received January 17, 2011)