The problem of scheduling a set of periodic tasks on a multiprocessor system is presented. The system is modeled as m processors and a task set $\Gamma = \{\tau_0, \tau_1, ..., \tau_{n-1}\}$, which is a set of n perodic tasks. Each task τ_i is characterized by its worst-case execution time C_i and its period T_i, both of which are assumed to be integer multiples of a system unit time. We consider real-time tasks with implicit deadlines. That is, T_i is also the relative deadline of task τ_i.