

THE UNIVERSITY of
TENNESSEE **UT**
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2010 Notable UT Woman



Suzanne Lenhart

Suzanne Lenhart, professor of mathematics at the university since 1981, may be best-known for her advancements in the field of mathematical biology: work crucial to the treatment of diseases and protection of the environment. Lenhart collaborated on the first work to apply optimal control theory to drug treatment strategies to treat HIV. More recently, she was involved in making recommendations to change the chest pressure pattern in CPR. Her work also has applied optimal control techniques to widespread environmental problems such as black bear population control, fishery maintenance, and control of the gypsy moth.

Lenhart's research has earned grant funding from the National Science Foundation almost continuously since 1985. She is also a co-principal investigator on the \$16 million, five-year grant for the National Institute for Mathematical and Biological Synthesis, a relatively new national research institute housed on the UT campus.

Throughout her advancements in mathematical biology, Lenhart has been a tireless educator in the classroom. She also pays particular attention to encouraging young women in math and the sciences through her volunteer work at area middle and high schools.



The **Notable UT Woman** honor is awarded to women from three rotating categories—administrator, alumnae, faculty and staff—who have made outstanding contributions to the university. The Notable UT Woman Award is presented by the Commission for Women. Every year since 1995, the Commission for Women has recognized a woman whose accomplishments bring distinction to the university.

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