

1067-R1-1973 **Lester F Caudill*** (lcaudill@richmond.edu), Dept of Mathematics and Computer Science, 28
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We present two examples of final projects used in the course "Mathematical Models in Biology and Medicine" at the University of Richmond. The first involves modeling the growth of a cancerous tumor and the effects of radiation therapy. The second involves the interaction of two strains of bacteria - differing in their susceptibility to a particular antibiotic, and the subsequent impact of varying levels of use of that antibiotic. (Received September 22, 2010)