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Richard Schugart*, Department of Mathematics & Computer Science, Western Kentucky University, 1906 College Heights Blvd #11078, Bowling Green, KY 42101. *Student Projects for the Mathematical Modeling of Wound Healing*. Preliminary report.

In this talk, I will provide a brief overview of a mathematical model that I formulated for the complex process of wound healing. I will highlight multiple undergraduate projects that a half-dozen students have worked on from the mathematical model that involve model stability analysis and model reformulation to either better reflect the biology or match data from the literature. I will briefly discuss how I think models like this can be used in undergraduate math-biology classes. (Received September 21, 2010)