

Department of Mathematics

Spring 2015 Colloquium Series



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For some positive constant C , a patient's temperature change, T , due to a dose, D , of a drug is given by $T = \left(\frac{C}{2} - \frac{D}{3}\right) D^2$.

What dosage maximizes the temperature change?

$D =$

The sensitivity of the body to the drug is defined as dT/dD . What dosage maximizes sensitivity?

$D =$



“WebWork: An Open Source Alternative Homework Management System.”

with Tim Lauck and Tim Payer
Lecturers, Department of Mathematics
Humboldt State University

Thursday, April 16, 2015

Behavioral Social Sciences Building Room 166, 4 p.m.

WebWork is used by 600-800 schools worldwide with a library of 28000+ problems created by teachers around the world. It is supported by a National Science Foundation Grant of \$5 million grant and is served by the National Server (Mathematica Association of America) It conforms highly to accessibility standards and is contains Moodle and R (statistics) integration.

Tim Lauck teaches lower division math at HSU. Tim Payer received his BA in Math at HSU in 1990, MA in Environmental systems with an emphasis in Math Modeling in 1997 and has been teaching lower division math at HSU since 1997.

Please bring your laptop or web accessible device to test the waters while we discuss possibilities with this system.

For a complete abstract, go to <http://www.humboldt.edu/math/news-and-events/math-colloquium>

We invite you to the Pre-colloquium Tea on the third floor of the BSS building at 3:30.