

**Daniel D. McCracken**  
**Computational Sciences**  
**Seminar Series**

Wednesday 3:00 p.m., Feb. 26, 2003  
Hebler Room 116

**Dr W. Dan Curtis**  
Dept of Mathematics, CWU

**From Greek Mythology to**  
**Modern Manufacturing**  
**– the Procrustes Problem**

**Abstract:** The talk will focus on an elegant solution to what appears to be a difficult nonlinear constrained optimization problem. However, it was discovered many years ago that it is actually possible to obtain a “closed form” solution, that is, one can write down an explicit formula for the solution. The mathematics required is a basic knowledge of linear algebra. In addition to an outline of the solution method, the involvement of Procrustes will be explained and some examples of industrial situations where this problem arises will be described.

For more information please contact:  
Drs Glasby 963 2123, or Kovalerchuk 963 1438