Bemidji State University

PHYS 2150: Acquisition and Control with G Programming

A. COURSE DESCRIPTION

   Credits: 3  
   Lecture Hours/Week: *.*  
   Lab Hours/Week: *.*  
   OJT Hours/Week: *.*  
   Prerequisites: None  
   Corequisites: None  
   MnTC Goals: None  

   In-depth introduction to laboratory electronics and computer data acquisition/process control using National Instruments' LabVIEW programming language. Measurement transducers, instrumentation, interface hardware and communications protocols, A/D and D/A conversion, signal conditioning, and data analysis covered in hands-on laboratory format. Prerequisite: One or more basic science courses.

B. COURSE EFFECTIVE DATES: 02/25/2004 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

   None

D. LEARNING OUTCOMES (General)

   None

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

   None

F. LEARNER OUTCOMES ASSESSMENT

   As noted on course syllabus

G. SPECIAL INFORMATION

   None noted