Bemidji State University

PHYS 4310: Mathematical Methods in Applied Physics

A. COURSE DESCRIPTION
   Credits: 3
   Lecture Hours/Week: *.*
   Lab Hours/Week: *.*
   OJT Hours/Week: *.*
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None
   Advanced topics in mathematical physics and engineering, including vector calculus, partial differential
equations, Sturm-Liouville theory of orthogonal functions, and eigenfunction expansions. Prerequisite:
PHYS 2102, and MATH 2490 or PHYS 3400. (Might not be offered every year.)

B. COURSE EFFECTIVE DATES: 08/25/1997 - 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