Bemidji State University

PHYS 4500: Electromagnetism

A. COURSE DESCRIPTION
   Credits: 4
   Lecture Hours/Week: 0
   Lab Hours/Week: 0
   OJT Hours/Week: *.*
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None

   Classical theory of electric and magnetic fields. Topics include Maxwell's equations, boundary value
   problems, static fields, dielectric materials, waves, waveguides, and antennas. Prerequisites: PHYS 2102,
   PHYS 3400, or consent of instructor.

B. COURSE EFFECTIVE DATES: 01/12/2020 - 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