

Bemidji State University

PHYS 4400: Mathematical Physics II

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 0

Lab Hours/Week: 0

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Advanced topics in mathematical physics, including vector and tensor analysis, calculus of variations, Sturm-Liouville theory of orthogonal functions, complex residues, and Green functions. Prerequisite: PHYS 2102, PHYS 3400.

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