

Minnesota State College Southeast

GTRB 1416: Guitar Electronics

A. COURSE DESCRIPTION

Credits: 1

Lecture Hours/Week: 1

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course covers basic electronic concepts and relates those concepts to the electric guitar. Basic component design and function will be discussed as well as electronic schematics and diagrams common to guitar design, repair work and guitar modifications. (Prerequisite: GTRB1400, concurrent enrollment in GTRB1405 and GTRB1425) (1 credit: 1 lecture/0 lab)

B. COURSE EFFECTIVE DATES: 02/28/2018 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Identify basic electronic concepts
2. Identify components
3. Identify component function
4. Identify common design elements

D. LEARNING OUTCOMES (General)

1. The student should understand basic electronic concepts
2. The student should be able to identify common guitar electronic components
3. The student should understand potentiometers as variable resistors
4. The student should understand basic switch functions
5. The student should understand basic capacitor functions
6. The students should understand basic phase concepts
7. The student should understand basics of series vs. parallel connections with regard to pickup coils

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted