

Minnesota State College Southeast

GTRB 1418: Electric Guitar Construction

A. COURSE DESCRIPTION

Credits: 4

Lecture Hours/Week: 1

Lab Hours/Week: 6

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

In this course the student will design, blueprint, make templates and build an electric guitar. (Prerequisite GTRB 1400, GTRB 1414, GTRB 1415, GTRB 1425, and concurrent enrollment in GTRB 1450) (4 credits: 1 lecture/3 lab)

B. COURSE EFFECTIVE DATES: 02/26/2009 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Complete full-size blueprint
2. Make necessary templates
3. Prepare and construct body
4. Prepare and construct neck
5. Align / attach neck to body
6. Locate / install bridge
7. Perform fretwork
8. Prepare for finishing

D. LEARNING OUTCOMES (General)

1. Students will complete a full size working blueprint with all necessary measurements clearly listed for reference during the building process.
2. Templates necessary for the construction of the guitar or bass will be made once the blueprint is complete.
3. Body materials will be prepared, glued, cut out, shaped and routed to be ready for attaching the neck.
4. Neck materials will be prepared by slotting and tapering the fingerboard. Neck stock will be prepped flat, straight and square with truss rod channel cut. To complete the construction of the neck students will flush trim neck stock, radius, fret the fingerboard and finally shaping the neck.
5. Students will make a neck pocket routing template and rout the body to install the neck.
6. Once the neck is attached students will locate/install their bridge completing the body by routing all necessary cavities for pickups and controls.
7. The instrument will be prep sanded for the finishing process.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted