

Minnesota State College Southeast

GTRB 1445: Acoustic Guitar Construction Lab

A. COURSE DESCRIPTION

Credits: 6

Lecture Hours/Week: *.*

Lab Hours/Week: 12

OJT Hours/Week: *.*

Prerequisites:

This course requires all five of these prerequisites

GTRB 1400 - Introduction to Tools

GTRB 1410 - Acoustic Guitar Set-up, Lab

GTRB 1414 - Guitar Overview Topics

GTRB 1420 - Acoustic Guitar Neck Resets

GTRB 1425 - Fretwork

Corequisites: GTRB 1440 and GTRB 1450 and GTRB 1440

MnTC Goals: None

In this course the student will make the mold, templates, workboard, and an acoustic guitar, either steel string or classical. (Prerequisites:GTRB1400, 1410, 1414, 1420, 1425, and concurrent enrollment in GTRB1440 and GTRB1450)

6 Cr (0 lect/pres, 6 lab, 0 other)

B. COURSE EFFECTIVE DATES: 02/06/2009 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Joint, thickness, and brace top and back plates
2. Prepare, and bend the ribs and complete the rib structure
3. Assemble and bind the guitar body
4. Make the guitar neck and fit it to the body
5. Prepare the guitar and apply the finish
6. Set up and adjust the guitar

D. LEARNING OUTCOMES (General)

1. Make templates and workboard
2. Prepare top for bracing
3. Brace the top
4. Build the rib structure
5. Prepare and brace the back
6. Glue top onto the rib structure
7. Route the dovetail
8. Glue the back
9. Install binding and purfling
10. Prepare neck stock
11. Fit the neck to the body
12. Shape the headstock
13. Glue neck/body
14. Prepare the fingerboard
15. Install frets
16. Glue fingerboard onto neck and body
17. Shape neck
18. Prepare the instrument for finishing
19. Apply the finish
20. Make bridge
21. Glue bridge
22. Complete tool care and clean up assignments
23. Set up the guitar
24. Make workboard

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted