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