GTRB 1441: Acoustic Construction Lecture

A. COURSE DESCRIPTION

Credits: 3
Lecture Hours/Week: 3
Lab Hours/Week: 0
OJT Hours/Week: *.*

Prerequisites:
This course requires all six of these prerequisites
GTRB 1400 - Introduction to Tools
GTRB 1405 - Guitar Overview
GTRB 1410 - Acoustic Guitar Set-up, Lab
GTRB 1420 - Acoustic Guitar Neck Resets
GTRB 1425 - Fretwork
GTRB 1430 - Guitar Acoustics

Corequisites: None
MnTC Goals: None

This course will cover the steps in building a flattop guitar, either steel string or classical.
(Prerequisites: GTRB1400, 1405, 1410, 1420, 1425, 1430, and concurrent enrollment in GTRB1445 and
GTRB1450) (3 Credits: 3 lecture/0 lab)

B. COURSE EFFECTIVE DATES: 01/21/2021 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Attend all lecture/demonstrations
2. Record instrument specifications
3. Complete problem solving assignments
D. LEARNING OUTCOMES (General)
1. record guitar body specs  
2. record bracing design and specs  
3. blueprint guitar neck  
4. complete written assignments  
5. observe template making demonstration  
6. observe top and back jointing demonstration  
7. observe top thicknessing demonstration  
8. observe rosette demonstrations  
9. observe top brace preparation demonstration  
10. observe x-brace notching demonstration  
11. observe top brace gluing demonstration  
12. observe brace shaping demonstration  
13. layout guitar sides  
14. observe side bending demonstration  
15. observe head and tail block demonstrations  
16. observe dovetail routing demonstrations  
17. observe kerfing installation demonstration  
18. observe side bracing demonstration  
19. observe top gluing demonstration  
20. observe back thicknessing demonstration  
21. observe back brace arching/gluing form demonstration  
22. observe neck blank preparation demonstration  
23. determine desired neck angle  
24. observe back bracing demonstration  
25. observe heel shaping demonstration  
26. observe back gluing demonstration  
27. observe top/back flush trimming demonstration  
28. observe binding and purfling making demonstration  
29. observe binding and purfling slot cutting demonstration  
30. observe binding and purfling installation demonstration  
31. observe neck fitting demonstration  
32. observe headstock shaping demonstrations  
33. observe headstock thicknessing demonstration  
34. observe headcap laminate demonstration  
35. observe fingerboard preparation demonstration  
36. observe neck gluing demonstration  
37. observe fingerboard gluing demonstration  
38. observe neck shaping demonstration  
39. observe inlay demonstrations  
40. observe top thickness adjustment demonstration  
41. observe preparation for finishing demonstration  
42. determine proper bridge location  
43. observe fitting/gluing demonstration bridge  
44. evaluate finished guitar
45. describe an alternative method for one of the construction steps

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted