

Minnesota State College Southeast

GTRB 2440: Advanced Guitar Inlay

A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: 1

Lab Hours/Week: 2

OJT Hours/Week: *.*

Prerequisites:

This course requires both of these prerequisites

GTRB 2415 - Computer Drafting for Guitar

GTRB 2420 - CNC for Guitar

Corequisites: None

MnTC Goals: None

This course focuses on inlay techniques used in guitarmaking. Students will design, cut, inlay, and engrave pearl using traditional methods, and apply their skills acquired in Computer Drafting for Guitar (GTRB 2415) and CNC for Guitar (GTRB 2420) to design inlays in Rhinoceros and cut and engrave on the CNC machine. (Prerequisites: GTRB 2415, GTRB 2420; Concurrent enrollment in GTRB 2430) (2 credits: 1 lecture/1 lab)

B. COURSE EFFECTIVE DATES: 06/19/2009 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Students will perform two methods of guitar inlay:
 - 1) Traditional hand cut method
 - 2) CNC cut method

D. LEARNING OUTCOMES (General)

1. Demonstrate professional conduct
2. Demonstrate focused work ethic
3. Demonstrate reliability
4. Design inlay patterns
5. Cut out, inlay and engrave by hand
6. The use of at least two types of contrasting materials
7. Cut out at least 20 inlays of various sizes
8. At least four inlays of one material inlaid into another
9. At least four adjoining inlays
10. Inlay into radiused rosewood fingerboard mock-ups
11. Inlay pattern should cross over at least one fret slot
12. Glue in, fill gaps, level and sand out
13. At least 20 engravings
14. Design inlay patterns to be cut on CNC
15. Cut out, pocket and engrave using CNC machine
16. Cut out at least 10 inlays of various sizes
17. At least two inlays of one material inlaid into another
18. At least two adjoining inlays
19. Use CNC to engrave inlays
20. Use CNC to create pockets for inlays
21. Glue in, fill gaps, level and sand out

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted