

# Minnesota State College Southeast

## GTRB 2425: Archtop Guitar/Mandolin Construction

### A. COURSE DESCRIPTION

Credits: 6

Lecture Hours/Week: 2

Lab Hours/Week: 8

OJT Hours/Week: \*.\*

Prerequisites:

This course requires all three of these prerequisites

GTRB 1440 - Acoustic Guitar Construction Lecture

GTRB 1445 - Acoustic Guitar Construction Lab

GTRB 1450 - Introduction to Finishing

Corequisites: GTRB 2415 and GTRB 2420

MnTC Goals: None

In this class the student will make a carved top and back archtop guitar or an A model mandolin.

Prerequisites: GTRB1440, 1445, & 1450, concurrent enrollment in GTRB2415, & 2420

6 Cr (2 lect/pres, 4 lab, 0 other)

**B. COURSE EFFECTIVE DATES:** 02/27/2009 - Present

### C. OUTLINE OF MAJOR CONTENT AREAS

1. Joint, glue, and flatten top and back plates
2. Carve outside of top
3. Carve inside of top, fit tone bars and cut soundholes
4. Bend the ribs and install kerfing and blocks
5. Keep a journal of the instrument specs

### D. LEARNING OUTCOMES (General)

1. Carve top outside arch
2. Fit, glue and shape top braces
3. Glue top plate to rib structure and trim flush
4. Prepare neck stock
5. Route neck/body joint
6. Record instrument details in a journal
7. Construct rib assembly
8. Join top plate
9. Rough graduate inside of the top
10. Cut soundholes
11. Finish inside graduation of top
12. Cut top binding slots
13. Adjust neck body fit

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

None

**F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

**G. SPECIAL INFORMATION**

None noted