

Minnesota State College Southeast

VLNR 1370: Violin Construction I

A. COURSE DESCRIPTION

Credits: 6

Lecture Hours/Week: 2

Lab Hours/Week: 8

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Violin Construction is for students wishing to learn the basics of building a violin. The course covers tool skills, use of appropriate materials, points of violin making style, and some historic context. (Prerequisites: Introduction to Tools, and Basic Materials, or instructor permission) (6 credits: 2 lecture/4 lab)

B. COURSE EFFECTIVE DATES: 02/02/2012 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Selection of model and wood; template making
2. Rib structure assembly (squaring blocks, planing and scraping rib wood accurately, bending and gluing ribs, fitting and shaping linings)
3. Making plates (joining; work on outlines and purfling; arching and thicknesses; soundhole placement and shape; bass bar)
4. Carving the head; fitting and finishing the neck

D. LEARNING OUTCOMES (General)

1. Ability to differentiate between different makers' styles and being able to replicate specific style elements
2. Ability to use tools (planes, knives, gouges, chisels, scrapers, files) safely, accurately, effectively and appropriately; use of specific techniques to achieve certain textures and finishes
3. A thorough grounding in which materials (woods, glues, supplementary materials such as cork or leather) to use; understanding of the purpose of holding devices/jigs
4. A good understanding of the structural properties of musical instruments, and how they relate to acoustic outcomes
5. Understanding of workplace setup, posture and tool use to prevent injury and maintain health in aid of a long career

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted