



蘇州大學

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# 本科实验课程教学大纲

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音乐学院

苏州大学教务部  
二〇一六年十月

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# 《Reed Making Lab》实验课程教学大纲

课程代码: MUPE 1045-1052

课程学分: 0.5

课程名称 (中/英): Reed Making

课程学时: As arranged weekly (1 hour)

实验学时: 1 hour per student weekly

适用专业: Majors in applied lessons in bassoon and oboe

实验室名称: Soochow University School of Music

## 一、课程简介:

This course is designed to teach students how to effectively produce, reproduce, evaluate, and tailor reeds appropriate to his or her individual needs. Understanding the theories of multiple reed making styles in addition to finding individual paths of artful reed production are especially emphasized over the course of a full academic year.

These courses outline: the basics of reed tools and machinery, reed production from beginning to end, consistent reproduction of solidly constructed reeds, learning how to keep an effective reed making log, and identifying personal reed making strengths and weaknesses.

All material costs associated with reed making shall be the responsibility of the student. Either the school or the professor will provide reed machinery.

## 二、实验项目及学时分配

序号	项目名称	实验类型	学时分配	每组人数	必修/选修
Weeks 1-2	Introduction to the reed room; basics of cane; essential reed tools; reed making resources.	Instructional and experimental	Instruction as needed, followed by student work 1-2 hours	Variable 1-x	Required
Weeks 3-4	How to initial-form a blank from gouged, shaped, and profiled cane.	Instructional and experimental	Instruction as needed, followed by student work 1-2 hours	Variable 1-x	Required
Weeks 4-5	How to final-form a blank from gouged, shaped, and profiled cane.	Instructional and experimental	Instruction as needed, followed by student work 1-2 hours	Variable 1-x	Required

序号	项目名称	实验类型	学时分配	每组人数	必修/选修
Weeks 6-7	Reviewing the two-part forming process from gouged, shaped, and profiled cane.	Instructional and experimental	Instruction as needed, followed by student work 1-2 hours	Variable 1-x	Required
Weeks 8-10	Shaping cane from gouged and profiled cane; multiple shaping methods.	Instructional and experimental	Instruction as needed, followed by student work 1-2 hours	Variable 1-x	Required
Weeks 11-12	Profiling cane from gouged cane; multiple profiling methods.	Instructional and experimental	Instruction as needed, followed by student work 1-2 hours	Variable 1-x	Required
Weeks 13-14	Forming a blank from gouged cane.	Instructional and experimental	Instruction as needed, followed by student work 1-2 hours	Variable 1-x	Required
Weeks 15-16	Splitting and gouging cane.	Instructional and experimental	Instruction as needed, followed by student work 1-2 hours	Variable 1-x	Required
Week 17	Forming a blank from tube cane. (Part one)	Instructional and experimental	Instruction as needed, followed by student work 1-2 hours	Variable 1-x	Required
Week 18	Finishing a blank from tube cane. (Part two)	Instructional and experimental	Instruction as needed, followed by student work 1-2 hours	Variable 1-x	Required

### 三、实验内容及教学要求

#### 实验项目 1: Reed making

##### 1. 教学内容

Variable depending on student needs and abilities. Such as cane, tools, reed making accessories, etc.

Bees wax  
 Caliper  
 Cane splitter  
 Dial indicator  
 Drying rack  
 Easel  
 Elastic  
 File (diamond)  
 Forming mandrel  
 Gouging machine  
 Guillotine  
 Handle

Mandrel (holding)  
Mandrel pin  
Nitrocellulose-based cement  
Nylon  
Plaque  
Pliers  
Pre-gouger  
Profiling machine  
Razor blade  
Reamer  
Reed knife  
Ruler  
Sandpaper (wet/dry)  
Sharpening stone  
Shaper (foldable)  
Shaper handle  
Shaper (straight)  
Shaper tip  
Soak  
Stone oil  
Thread  
Tip cutter  
Tube cane  
Utility knife  
Wire (brass)

## 2. 教学目标

Reed making is both a skill and an art, therefore each double reed player must learn how to master the basics of reed making while developing a sense of individuality. The art of reed making usually comes naturally during the course of education, therefore during this course simply be aware of individual qualities that develop but maintain a focus of basic skill mastery. These skills will be introduced, explained, and demonstrated throughout the course at a pace that is comfortable for everybody.

## 四、考核方式及要求

Each bassoonist is expected to bring the following each week:

1. A bassoon in good working order.
2. Any and all relevant reed making tools and supplies per the instructor's advisement for each particular reed making session.
3. Reed log, studio notebook, pencil, personal reed soak, and tuner.
4. Any resources that were distributed during the course.
5. Any and all reed work that occurred since the previous week's session, regardless of quality.
6. Personal items that aid in reed making that are not specified above.

Grades are based completely on an individual basis and bassoonists are not required to match quantity, quality, or production speed of his or her colleagues. As a result, *individual projects* will be assigned to constitute much of the course grade. Attendance at all sessions is required. When unavoidable absences must be pre-approved. In the event of sickness or absences due to personal matters no formal documentation is required, however as a courtesy please inform the instructor no later than 24 hours prior to class whenever possible. Excessive tardiness will result in grade lowering.

## 五、主要仪器设备及现有台套数

Pregouger

Gouging machine

Profiling machine

Shapers

And all other student-owned materials

## 六、教材及参考书

Personal experience

执 笔 人:

Aaron Lee Pergram\Juan Manuel Garcia

审 批 人: 刘彦玲

完 成 时 间: 2016.3