

New York City College of Technology

Entertainment Technology Department
300 Jay Street, Room V-205 Brooklyn, NY 11201
(718) 260-5588 <http://www.entertainmenttechnology.org/>



ENT-2210 Advanced Scenery Construction

Pre-requisites: Scenery Construction (ENT-1110), Tech Production I (ENT2120)
Pre- or Co-Requisite: Theatrical Drafting (ENT 2200)
2016, Fall Semester
Professor: John McCullough
Office: Room 121, Voorhees Hall, (718) 260-5506
Email: jmccullough@citytech.cuny.edu
Office Hours: Mondays and Wednesdays noon-2pm

Class Meeting Time:

Mondays and Wednesdays, 6pm-7:40pm, Room V225

Course Description:

This course aims to take a student from competency to proficiency in the scene shop. A successful student will be able to take a scenery project from the drawing to completion, either alone or leading a small crew. Skills covered include: construction techniques, project planning, tool and procedure selection, joinery, time and cost estimation and carpentry. Coursework will focus heavily on lab and project work.

Required Texts:

Stock Scenery Construction Handbook by Bill Raoul and Mike Monsos, 3rd edition ISBN: 978-0911747430
Backstage Handbook by Paul Carter, 3rd Edition. Broadway Press. ISBN: 978-0911747393
The Complete Manual of Woodworking by Jackson, Day, Jennings ISBN:0-679-76611-1

Recommended Reading:

The Jigs & Fixtures Bible by DeCristoforo ISBN: 1-55870-563-5
Jim Tolpin's Table Saw Magic by Tolpin ISBN: 1-55870-677-1

Required Equipment:

25' tape measure, safety glasses, pencil, work gloves, appropriate shop attire (will be discussed in class)

NOTE: You are required to bring your equipment to every class meeting!

Attendance/Promptness:

If you have a legitimate reason for missing a class/assignment or if you will be late, you must contact me (see above) **BEFORE** class begins. It is City Tech policy that if you have three unexcused absences, you will fail the class.

Students with perfect attendance (no days late or absent) will be **REWARDED**. If you have perfect attendance, I will drop the lowest quiz or homework grade from your record when I calculate your final grade.

Grades:

Your grade will be determined as follows:

Quizzes	10%
Homework	20%
Joinery Project	10%
Tool Report	10%
Jig Project	10%
Final Project	15%
Test 1	10%
Test 2	15%

NB: If you miss a quiz or test due to an unexcused absence, you will receive a zero for that test or quiz, and you must propose an extra credit project as a make-up. Quizzes may contain questions not covered in class. Do the reading!

NB: I will not accept late assignments for grading. I will look at any work you wish to show me, but a late assignment will always receive a grade of zero. Unless otherwise noted, you are free to discuss homework assignments with each other, but you are responsible for doing all of your own work. Any act of academic dishonesty will result a grade of zero for the assignment in question for ALL students involved. CityTech's policy on Academic Integrity is available at http://www.citytech.cuny.edu/aboutus/docs/policies/CT_PolicyManual11_12.pdf.

Learning Outcomes

After taking this class, the student will be able to...	This will be demonstrated by...
Plan and execute the construction of a complex scenic piece (either a single complicated piece, or the combination of simpler pieces into a cohesive whole)	Final Project
Identify and operate wood- and metal-working tools commonly found in scene shops	Lab work, projects, quizzes
Choose tools and techniques appropriate to a project	Lab work, projects, quizzes
Read and understand drawings (build drawings, ground plans, schematics) [Gen Ed]	Lab work, project, quizzes
Estimate materials, labor and tooling needed to complete a scenery project	Project 1, Final Project, Homework, quizzes

ENT-2210 Advanced Scenery Construction Course Outline			v. 2015-07-14
Date	Topic	Due	Assigned
8.29	Introductions, Diagnostic Test, Shop Safety, Tool Review – Table Saw		Acquire class materials Homework: Hardware Store/Lumber Yard
8.31	Tools Review – Hand Power Tools	Jackson: pp123-163	Tool Report
9.5	No Class - College Closed		
9.7	Tools Review – Hand Tools	Homework: Hardware Store/Lumber Yard Jackson: 75-122	
9.12	Quiz: Tools; Materials Review – Lumber, Sheet Goods, How to Order	Raoul: pp 238-246 Jackson: pp 10-38	
9.14	Tools Review – Air Tools		
9.19	Quiz: Air Tools; Tool Reports (Group 1)	Tool Reports	Jig Project
9.21	Tool Reports (Group 2)		
9.26	Quiz: Power Tools; Construction – Flats	Raoul: pp23-118	
9.28	Construction – Doors and Windows Procedures – Cut Lists		Homework: Cut List/Lumber Order 1 Read: Moulding Handout
10.3	No Classes		
10.5	Materials – Moulding Lab – Moulding	Read: Moulding handout	
10.6	Lab – Moulding	MONDAY CLASSES ON A THURSDAY	
10.10	No Class – College Closed		
10.12	No Classes		
10.17	Construction – Joinery	Homework: Cut List/Lumber Order 1 Jackson: pp 215-248	Joinery Project
10.19	Test Review; Lab – Joinery		
10.24	Test 1 – Materials, Tools, Flats		
10.26	Lab – Joinery		
10.31	Lab – Joinery	Joinery Project	
11.2	Hardware and Fasteners		
11.7	Construction – Platforms	Raoul: pp 142-195	
11.9	Construction – Deck Surfaces		
11.14	Quiz: Platform Construction Construction – Legs/Stairs	Raoul: pp 196-223	Final Project
11.16	Procedures – Construction Drawings, Organizing a Project		
11.21	Procedures – Order of operations, jigs		Jig Project
11.23	Lab – Jig Project		
11.28	Lab – Jig Project	Jig Project (by end of class)	
11.30	Construction – 3d Scenery Materials – foam, wire	Final Project – Construction Drawings Due	Homework: Build a Rock or Stump
12.5	Planning for a crew		Homework: Project plan for a small crew
12.7	Materials – Fabric	Raoul: pp 119-141 Homework: Project plan for a small crew	
12.12	Construction – Soft Goods, Grommets	Raoul: pp 119-141 Homework: Rock or Stump	Homework: Soft Goods
12.14	Test Review; LAST DAY FOR LATE HOMEWORK	Homework: Soft Goods	
12.19	Test 2 – Platforms, 3d scenery, soft goods, Hardware	Final Project	