

Prepared by the Department of Arts & Communication
Date of Departmental Approval: February 14, 2017
Date approved by Curriculum and Programs: February 22, 2017

Effective: Fall 2017

1. **Course Number: THR120**
Course Title: Stagecraft and Theater Technologies
2. **Description:** Students explore various aspects of technical theater production through research, observation and practice. Students develop skills in the design, planning, engineering, construction, and manipulation of a variety of theatrical technologies, including scenery, color mixing and paint application techniques, hanging, installation and focusing of theatrical lighting instruments, and operation of industry standard lighting, sound and video projection mapping systems for production purposes. Students gain practical experience by supporting the department's theatrical productions.
3. **Student Learning Outcomes** (instructional objectives, intellectual skills):
Upon successful completion of this course, students are able to do the following.
 - Analyze and interpret technical theater diagrams including ground plans, elevations, color renderings and lighting plots throughout the theatrical production process including concept, scheduling, resource allocation and design execution
 - Demonstrate appropriate and safe use of hand and power tools as well as circuits, lamps, amplifiers and other technical devices used in the execution of a theatrical production
 - Practice collaboration, a cooperative work ethic and effective communication with crew members and production management to achieve production-specific goals and objectives
 - Compute requirements of technical production elements, including heights, widths, lengths, weights, wattage and amperage, angles, color mixing, both additive (pigment) and subtractive (lighting) and tolerances of a variety of theatrical devices such as scenic flats, platforms, stair units, lighting instruments, rigging, and special effects
 - Exhibit creative and critical thinking skills in adapting to design changes, solving problems and contributing to the successful engineering of a theatrical production.
 - Compare and contrast design and technology choices among different productions as they relate to overall theme, budget and logistical parameters
4. **Credit(s):** 3 credits; may be repeated once for credit (6 credit maximum)
5. **Satisfies General Education Requirement:** Application Pending
6. **Prerequisite(s):** ENL025 (Reading & Writing Essentials) and MAT025 (Pre-Algebra) or satisfactory basic skills assessment score
7. **Semester(s) Offered:** Fall, Spring
8. **Suggested General Guidelines for Evaluation:**
Students are evaluated on their participation, effective execution of production responsibilities, completion of written assignments, and exams. Additional hours outside of class time required to support the department's theatrical production.
9. **General Topical Outline** (Optional):
 - I. Basic terminology, rules and safety practices used in theater technologies and stagecraft
 - II. Basic design principles, including script analysis and conceptualization
 - III. Engineering, construction and installation of sets, lighting and sound designs for theatrical production
 - IV. Self and peer analysis of production work