

Career & Technical Education | Arts & Communication

Fundamentals of Technical Theatre

Subject Code: 340252

Outcome & Competency Descriptions

Course Description:

This course is an introduction to technical theater and the elements that contribute to the visual and spectacle elements of a performing arts production. Students will explore the fields of stage lighting, scenery construction, sound design, stage rigging, costuming, and makeup. Historical applications, production research, elements of art and color theory, tools, and terminology will be explored in relation to one or more of the areas of technical theater while demonstrating the collaborative nature of the field.

Strand 1. **Business Operations / 21st Century Skills**

Learners apply principles of economics, business management, marketing and employability in an entrepreneur, manager, and employee role to the leadership, planning, developing, and analyzing of business enterprises related to the career field.

Outcome: 1.1. **Employability Skills**

Develop career awareness and employability skills (e.g., face-to-face, online) needed for gaining and maintaining employment in diverse business settings.

Competencies

- 1.1.1. Identify the knowledge, skills and abilities necessary to succeed in careers.
- 1.1.2. Identify the scope of career opportunities and the requirements for education, training, certification, licensure and experience.
- 1.1.3. Develop a career plan that reflects career interests, pathways and secondary and postsecondary options.
- 1.1.4. Describe the role and function of professional organizations, industry associations and organized labor and use networking techniques to develop and maintain professional relationships.
- 1.1.5. Develop strategies for self-promotion in the hiring process (e.g., filling out job applications, resumé writing, interviewing skills, portfolio development).
- 1.1.6. Explain the importance of work ethic, accountability and responsibility and demonstrate associated behaviors in fulfilling personal, community, and workplace roles.
- 1.1.7. Apply problem-solving and critical-thinking skills to work-related issues when making decisions and formulating solutions.
- 1.1.8. Identify the correlation between emotions, behavior and appearance and manage those to establish and maintain professionalism.
- 1.1.9. Give and receive constructive feedback to improve work habits.
- 1.1.10. Adapt personal coping skills to adjust to taxing workplace demands.

- 1.1.11. Recognize different cultural beliefs and practices in the workplace and demonstrate respect for them.
- 1.1.12. Identify healthy lifestyles that reduce the risk of chronic disease, unsafe habits, and abusive behavior.

Outcome: 1.2. Leadership and Communications

Process, maintain, evaluate, and disseminate information in a business.
Develop leadership and team building to promote collaboration.

Competencies

- 1.2.1. Extract relevant, valid information from materials and cite sources of information.
- 1.2.2. Deliver formal and informal presentations.
- 1.2.4. Use negotiation and conflict-resolution skills to reach solutions.
- 1.2.5. Communicate information (e.g., directions, ideas, vision, workplace expectations) for an intended audience and purpose.
- 1.2.6. Use proper grammar and expression in all aspects of communication.
- 1.2.7. Use problem-solving and consensus-building techniques to draw conclusions and determine next steps.
- 1.2.8. Identify the strengths, weaknesses, and characteristics of leadership styles that influence internal and external workplace relationships.
- 1.2.9. Identify advantages and disadvantages involving digital and/or electronic communications (e.g., common content for large audience, control of tone, speed, cost, lack of non-verbal cues, potential for forwarding information, longevity).
- 1.2.11. Write professional correspondence, documents, job applications, and resumés.
- 1.2.12. Use technical writing skills to complete forms and create reports.
- 1.2.14. Use motivational strategies to accomplish goals.

Outcome: 1.3. Business Ethics and Law

Analyze how professional, ethical, and legal behavior contributes to continuous improvement in organizational performance and regulatory compliance.

Competencies

- 1.3.2. Follow protocols and practices necessary to maintain a clean, safe, and healthy work environment.
- 1.3.3. Use ethical character traits consistent with workplace standards (e.g., honesty, personal integrity, compassion, justice).
- 1.3.5. Access and implement safety compliance measures (e.g., quality assurance information, safety data sheets [SDSs], product safety data sheets [PSDSs], United States Environmental Protection Agency [EPA], United States Occupational Safety and Health Administration [OSHA]) that contribute to the continuous improvement of the organization.
- 1.3.7. Identify the labor laws that affect employment and the consequences of noncompliance for both employee and employer (e.g., harassment, labor, employment, employment interview, testing, minor labor laws, Americans with

Disabilities Act, Fair Labor Standards Acts, Equal Employment Opportunity Commission [EEOC]).

Outcome: 1.4. Knowledge Management and Information Technology

Demonstrate current and emerging strategies and technologies used to collect, analyze, record, and share information in business operations.

Competencies

- 1.4.2. Select and use software applications to locate, record, analyze, and present information (e.g., word processing, e-mail, spreadsheet, databases, presentation, Internet search engines).
- 1.4.3. Verify compliance with security rules, regulations and codes (e.g., property, privacy, access, accuracy issues, client, and patient record confidentiality) pertaining to technology specific to the industry pathway.
- 1.4.5. Use information technology tools to maintain, secure, and monitor business records.
- 1.4.6. Use an electronic database to access and create business and technical information.
- 1.4.7. Use personal information management and productivity applications to optimize assigned tasks (e.g., lists, calendars, address books).

Outcome: 1.6. Business Literacy

Develop foundational skills and knowledge in entrepreneurship, financial literacy, and business operations.

Competencies

- 1.6.5. Describe organizational structure, chain of command, the roles and responsibilities of the organizational departments, and interdepartmental interactions.
- 1.6.9. Explain how the performance of an employee, a department, and an organization is assessed.
- 1.6.12. Describe classifications of employee benefits, rights, deductions, and compensations.

Outcome: 1.7. Entrepreneurship/Entrepreneurs

Analyze the environment in which a business operates, and the economic factors and opportunities associated with self-employment.

Competencies

- 1.7.10. Describe techniques for obtaining experience (e.g., apprenticeship, co-operative [co-op] education, work placement, internship, job shadowing) related to an entrepreneurial objective.
- 1.7.13. Protect intellectual property and knowledge (e.g., copyright, patent, trademark, trade secrets, processes).

Outcome: 1.8. Operations Management

Plan, organize and monitor an organization or department to maximize contribution to organizational goals and objectives.

Competencies

- 1.8.4. Identify alternative actions to take when goals are not met (e.g., changing goals, changing strategies, efficiencies).
- 1.8.5. Use inventory and control systems to purchase materials, supplies, and equipment (e.g., Last In, First Out [LIFO]; First In, First Out [FIFO]; Just in Time [JIT]; LEAN).

Outcome: 1.12. Cyber Hygiene

Apply digital information security principles to keep information secure.

Competencies

- 1.12.1. Identify the purpose and practices of Cyber Hygiene.
- 1.12.2. Differentiate between appropriate and inappropriate information.
- 1.12.3. Interpret security policies through job specific training and training updates.
- 1.12.4. Apply secure password behavior.
- 1.12.5. Apply physical and virtual situational awareness (e.g., clean desk policies, shoulder surfing, social engineering, tailgating).

Strand 2.

Design

Learners apply the elements and principles of design and compositional techniques to create works of art and visual layouts for both tactile and digital art forms.

Outcome: 2.1.

Arts Elements and Design Principles

Analyze works of art for the art elements and the design principles needed to create professional products.

Competencies

- 2.1.1. Describe art elements of line, value, color, shape, space, form, and texture in various media that are used individually or in combination.
- 2.1.2. Identify specific characteristics (i.e., positive and negative, organic, geometric, quality, weight, direction, variety, unity, balance, symmetry) of art elements that communicate and express ideas.
- 2.1.3. Determine how and when to apply the principles of design, including unity, variety, balance, movement, emphasis, visual hierarchy, and proportion/scale to communicate ideas.
- 2.1.4. Identify, compare, and contrast unity and variety within a design (e.g., formal/symmetrical, informal/asymmetrical, and radial balance).
- 2.1.6. Interpret emphasis through contrast, isolation, size, and placement.
- 2.1.7. Identify visual hierarchy used to establish dominance.
- 2.1.8. Recognize the use of proportion/scale.

Outcome: 2.2.

Color Theory

Assess the use of color for commercial design.

Competencies

- 2.2.8. Compare and contrast choices using the psychology of color.

Strand 7. Performance

Learners apply knowledge and skills for performance, including roles, processes, procedures, and production design.

Outcome: 7.1. Interrelationships

Examine and explore how music, dance, and theatre disciplines connect to create a production.

Competencies

- 7.1.2. Evaluate the importance of the audience and its relationship to the performance.
- 7.1.3. Explain the differences between practice, rehearsal, tech week, and performance.
- 7.1.4. Explain the level of skill and training to reach a professional production level of a performance.
- 7.1.5. Describe and critique the elements of a performance from an audience member's perspective.
- 7.1.6. Determine the relationship among production elements including costume, scenic, lighting, video, sound, and property design.
- 7.1.7. Describe the role of the stage manager.

Outcome: 7.2. Genres

Analyze and critique the stylistic differences among genres.

Competencies

- 7.2.1. Describe, compare, and contrast various styles and traditions.
- 7.2.2. Identify and compare the lives, works, and influence of significant individuals in various cultures, traditions, and historical periods.
- 7.2.3. Compare and contrast characteristics (e.g., technique, form, content) of genres from a particular time period or area of influence.
- 7.2.4. Explain the influence of social context, historical periods and culture in the development of a performance.

Outcome: 7.11. Production Management

Assign roles, functions, and procedures based on a script or production plan.

Competencies

- 7.11.1. Identify the stages in the production process.

- 7.11.2. Describe the function and responsibilities of individuals involved in creating, planning, scheduling, and producing a production.

Outcome: 7.12. Production Design

Adapt the elements of stagecraft to a script or production plan.

Competencies

- 7.12.1. Create a design that captures the director's vision and concept.
- 7.12.2. Create a design using standard production elements.
- 7.12.6. Identify properties and set dressing and their functions and placements in a production.
- 7.12.7. Identify how highlights and shadows, scenic elements, makeup, costuming, lighting, video, projection, etc. are perceived by a live audience.
- 7.12.8. Interpret the elements of a simple light plot.
- 7.12.9. Execute a lighting design.
- 7.12.10. Identify and describe the various positions of a running crew (e.g. deck electrician, scenic running crew, rail operator, props master, wardrobe manager, costuming crew, etc.).
- 7.12.11. Identify and describe the tools used in the scene shop and classify them by purpose (e.g. marking, cutting, boring, drilling, shaping, securing, clapping, etc.).
- 7.12.12. Build basic theatrical scenic items (flats, platforms, stairs, molding, etc.).
- 7.12.13. Organize and track materials and props through the course of a production.
- 7.12.14. Identify types of rigging systems used in theatrical spaces.
- 7.12.15. Identify theatrical lighting fixtures and equipment.

Outcome: 7.14. Performance Demands

Meet the physical, vocal, and psychological demands of performance.

Competencies

- 7.14.2. Recognize the levels of physical and mental stress as potential risk factors to the body's various movements.
- 7.14.5. Anticipate the physical requirements of a performance.
- 7.14.6. Overcome psychological stresses to minimize their impacts on a performance.
- 7.14.7. Demonstrate strategies to manage and relieve anxieties.