

SYLLABUS

TITLE: Stage Rigging, Lights, and Sound Techniques
CODE: PME 210
PREREQUISITES:
CREDITS: 3 credits | 45 contact hours | 1 term

DESCRIPTION

This course studies the techniques and procedures related to the areas of stage rigging, lights, and sound. Students will analyze aspects such as stage platforms, temporary structures, pyrotechnic effects, assembly logistics, and interpretation of blueprints. The course emphasizes on OSHA regulations, worksite fire-prevention department, and performance requirements for shows.

JUSTIFICATION

In an event, the public only witnesses the final product of the work of a large team. The technical staff in charge of backstage elements is a part of this large team. Undoubtedly, knowledge of the technical areas of an event is as important as planning, budgeting, and talent identification, among others. This course will provide students with the technical knowledge in the areas of stage rigging, lights, and sound that will allow them to have a bigger vision of what the development of an event entails.

COMPETENCIES

The course develops the following competencies in students:

- **Communication**

OBJECTIVES

After completion of the course, students will be able to:

1. Work as a stage rigging, light, and sound technician.
2. Understand the management of all equipment related to these three areas.
3. Read lights, sound, and stage rigging blueprints and assemble these using the provided blueprints or according to the presentation's needs.
4. Convert weights and measures.
5. Understand OSHA, Labor, and Fire Department assembly procedures and regulations.

CONTENTS

- I. Stage rigging techniques
 - A. Technical vocabulary
 - B. Regulations
 1. OSHA
 2. Labor
 3. Fire Department
 - C. Identification of technical areas of implementation and support
 - D. Knowledge of work tools in the stage rigging area
 - E. Reading blueprints and converting measurements in the stage rigging area
 - F. Proper weight handling on rods and motors
 - G. Curtain handling
 - H. Scenography hanging
 - I. Scenography assembly
 - J. Theater hall management
- II. Sound techniques
 - A. Technical vocabulary
 - B. Sound Basics
 - C. Reading blueprints
 - D. Assembly management
 - E. Console management and programming
 - F. Execution and sound techniques for proper balances and mixes
- III. Lighting techniques
 - A. Technical vocabulary
 - B. Fundamentals of light equipment
 - C. Reading blueprints
 - D. Assembly management
 - E. Focus management
 - F. Color management
 - G. Console management and programming

METHODOLOGY

The following strategies from the active learning methodology are recommended:

- Lectures by the professor and guest technicians
- Assembly of the stage rigging, lights, and sound areas
- Presentations of equipment and techniques
- Theatre work
- Cyber Resources

- Field trips
- Assembly video presentations
- Stage rigging, sound and lighting practice

EVALUATION

Participation	20%
Immersion experience	30%
Partial assignments	20%
Oral presentations	10%
Final proposal	<u>20%</u>
Total	100%

LEARNING ASSESSMENT

The institutional assessment rubric is applied to the course's core activity.

BIBLIOGRAPHY

Avalon, M. (2010). *100 Answers to 50 Questions on the Music Business* (1st ed.). Hal Leonard Books.

Entertainment rigging for the 21st century (2015). In Sapsis B. (Ed.), (1st ed.). Focal Press.

Goldblatt, J. (2014). *Special events: Creating and sustaining a new world for celebration* (7th ed.). Wiley.

Matthews, D. (2013). *Special event production* (2nd ed.). Routledge.

McCloud, N. S. (2013). *Successful security secrets of concert, festival, and special event productions*.

Reynolds, A. (2012). *Roadie, inc.* (2nd ed.). Tour Concepts.

Reynolds, A. (2012). *The tour book*. Cengage Learning.

ELECTRONIC LINKS

http://festivalsandevents.com/festival-planning/Sample_Artist_Contract.shtml

https://www.google.com.pr/search?q=band+riders+examples&espv=2&biw=1163&bih=875&tbm=isch&tbo=u&source=univ&sa=X&ved=0CCoQsARqFQoTCKv8g_P5-MYCFVNciAodc1oMjw&dpr=1

<http://blog.sonicbids.com/7-elements-of-a-good-live-sound-tech-rider>

<https://www.google.com.pr/webhp?sourceid=chrome-instant&ion=1&espv=2&ie=UTF-8#q=band%20riders%20examples>

http://www.gregosby.com/press_kit/go5rider2008.doc

<http://totalproaudio.stevebunting.com/12/paperwork/how-to-write-a-band-technical-specification/>

http://www.prosoundweb.com/article/print/maximizing_the_effectiveness_of_the_technical_rider

<http://www.stageplot.com/>

<http://www.stageplot.com/DocFiles/StagePlotProDocs.html>

<http://any-filesxjt.cf/band-rider-sample/>

<http://robbierhodesmusic.com/backline-rider>

<https://www.google.com.pr/search?q=backline+riders&sa=N&espv=2&biw=1280&bih=923&tbm=isch&tbo=u&source=univ&ved=0CCgQsAQ4CmoVChMlzYaE0KH5xglViZaICh2IcQ3K>

<https://www.google.com.pr/search?q=catwalk+lighting+grid&espv=2&biw=1280&bih=923&tbm=isch&tbo=u&source=univ&sa=X&ved=0CCEQsARqFQoTCMal1LGi-cYCFYSiiAodfLOGOA>

<http://static1.1.sqspcdn.com/static/f/1226690/25435372/1410534121347/2014+MDE+S mall+Band+Rider.pdf?token=5l6mcsqZdbEzxLBHz75KD6hMNcl%3D>

<http://www.designswan.com/archives/magnificent-floating-stage-design.html>

<http://www.stagingconcepts.com/>

http://www.glencoe.com/theatre/Timeline/timeline_content.html

<http://www.meyersound.com/products-index/>

<http://www.sir-usa.com/sir-backline.php>

<http://www.vari-lite.com/>

<http://jthomaseng.info/>

<https://sites.google.com/site/geoprehistoria/arte-rupestre>

<https://www.osha.gov/>

<http://www.trabajo.pr.gov>

For more information resources related to the course's topics, access the library's webpage <http://biblioteca.sagrado.edu/>

REASONABLE ACCOMMODATION

For detailed information on the process and required documentation you should visit the corresponding office. To ensure equal conditions, in compliance with the ADA Act (1990) and the Rehabilitation Act (1973), as amended, any student in need of reasonable accommodation or special assistance must complete the process established by the Vice Presidency for Academic Affairs.

ACADEMIC HONESTY, FRAUD, AND PLAIGARISM

Any student who fails to comply with the Honesty, Fraud, and Plagiarism Policy is exposed to the following sanctions: receive a zero in the evaluation and/or repetition of the assignment, an F(*) in the course, suspension or expulsion as established in the document *Política de Honestidad Académica* (DAEE 205-001) effective in August 2005.

All rights reserved | Sagrado | August 2019 | Translated April 2022