

BMED205 Lighting Fundamentals

ECTS Value: 5 ECTS

Contact Hours: 25

Supervised Placement and Practice Hours: 30 Self-Study Hours: 60

Assessment Hours: 40

Overall Objectives and Outcomes

This module aims to introduce course participants to different lighting techniques used in photography and media. They will acquire the skills to manage a variety of lighting scenarios within media and photography contexts. By obtaining the necessary skills the course participants will be able to carry out a task from ideation to completion, using the correct lighting techniques necessary for the project.

By the end of this module, the learner will be able to:

Competences:

- Complete a project with correct lighting setup for photography / moving image;
- Produce a project using the right camera settings;
- Collaborate with a team to produce both still and moving images;
- Prepare correct equipment for task at hand;
- Ensure correct lighting techniques for different scenarios;
- Create a series of images and moving images making use of both natural and artificial lighting;
- Manage variety of light sources for photography and moving image.

Knowledge:

- Identify a variety of lighting setups for still and moving image, such as high key and low key lighting;
- Describe a variety of lighting techniques to produce a series of still images and moving image;
- Define different visual language tools;
- Illustrate the ability to identify different lighting equipment;
- Illustrate the use of three point lighting;
- Explain the different uses of lighting equipment;
- Describe a variety of light modifiers used in photography and moving image.

Skills:

- Evaluate different lighting setups and their use, such as three point lighting;
- Compare different lighting scenarios;
- Measure light available and alter camera settings accordingly to achieve a good exposure;
- Demonstrate the ability to post-process images and moving image using industry standard software;
- Establish a clear work flow for still images and moving image;
- Use a variety of light sources to provide different narratives through light.

Assessment Methods

This module will be assessed through: Sketchbook, Presentation, Assignment.

Suggested Readings

1. Fancher, N. (2018). Chroma: A Photographers Guide to Lighting with Color. Rocky Nook Inc.
2. Hunder, F., Biver, S., Fuqua, P. and Reid, R. (2021). Light-Science & Magic: An Introduction to Photographic Lighting. Routledge.
3. Landua, D. (2014). Lighting for Cinematography: A Practical Guide to the Art and Craft of Lighting for the Moving Image (The CineTech Guides to the Film Crafts). Bloomsbury Academic.