UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Basic Elements of Digital Photography and Power Point Presentation

2425-2-H4601D049

Aims

The university course “Basic Elements of Digital Photography and PowerPoint Presentation” is designed to provide students with a solid understanding of digital photography and PowerPoint presentations. The main objective of the course is to contribute to the training of students in dentistry and dental prosthetics by providing the necessary knowledge of digital photography. The course assists students in dealing with photographic documentation in dentistry. Students will learn to use digital photographic techniques to accurately document clinical cases and to present this information effectively using PowerPoint. This course is particularly useful for students who wish to improve their presentation and visual communication skills. At the end of the course, students should be able to create professional and high-quality presentations that can be used in a clinical or academic context. In addition, the course can help improve students’ skills in documenting clinical cases, a fundamental aspect of modern dental practice.

Contents

The university course "Basic Elements of Digital Photography and PowerPoint Presentation" is a course that focuses on two main areas: digital photography and the use of PowerPoint for presentations.

In the digital photography section, students learn the fundamental techniques of photography, such as the use of fixed and zoom lenses, focusing, distance scale, and autofocus. Concepts such as standard focal length, aperture, EV value, equivalent pairs, and depth of field are also introduced. These skills are particularly useful for photographic documentation in dentistry.

The PowerPoint section of the course teaches students how to create effective presentations. Students learn how to organize information, how to use various PowerPoint tools to enhance the presentation, and how to customize presentations for different audiences.

This course is particularly useful for students in dentistry and dental prosthetics, as it provides the necessary skills to accurately document clinical cases and present this information professionally. At the end of the course, students should be able to create high-quality presentations that can be used in a clinical or academic context.

Detailed program

Introduction to Digital Photography
Introduction to the fundamental concepts of digital photography, including aperture, shutter speed, and ISO. Students will learn to use the manual settings of their digital camera to control exposure and depth of field.

Composition and Lighting
Study of composition techniques such as the rule of thirds and line of sight. Discussion on the importance of lighting in digital photography and introduction to basic lighting techniques.

Image Processing
Introduction to the use of image processing software like Adobe Photoshop. Students will learn to retouch photos, correct colors, and use filters.

Introduction to PowerPoint
Introduction to the basic features of PowerPoint, including creating slides, adding text and images, and using animations and transitions.

Creating Effective Presentations
Discussion on how to design effective presentations. Students will learn to organize information, choose appropriate colors and fonts, and create slides that are visually interesting.

Final Project
Students will apply what they have learned by creating a PowerPoint presentation that includes their digital photographs. This final project will allow students to demonstrate both their photography skills and presentation abilities.

This course will provide students with a solid foundation in both digital photography and PowerPoint presentation creation. By the end of the course, students will have acquired the skills necessary to create high-quality images and effective presentations.

Prerequisites

To participate in the course "Basic Elements of Digital Photography and PowerPoint Presentation", students may need the following prerequisites:

1. **Basic Computer Knowledge**: Students should have a basic understanding of computer use, including the operating system, internet navigation, and the use of software applications.

2. **Digital Camera**: Students will need a digital camera with manual settings. It does not need to be a professional camera, but it should have the ability to manually adjust the aperture, shutter speed, and ISO.

3. **Image Processing Software**: Students will need an image processing software like Adobe Photoshop. If they do not have access to Photoshop, there are many free alternatives available, such as GIMP.

4. **Microsoft PowerPoint**: Students will need access to Microsoft PowerPoint for the presentation sections of the course. If they do not have access to PowerPoint, they can use free alternatives like Google Slides.

5. **Interest and Passion**: Last but not least, students should have a genuine interest in photography and presentation. This course requires time and practice, so a passion for learning can be a great advantage.

Teaching form

The teaching method is both expository (through the traditional lecture) and interactive (with the student actively involved in presentations and case discussions); all activities are supervised by the teacher.
The lessons will take place in person and will only be held remotely if necessary.

Teaching with different teaching methods:

- 1 lesson of 6 hours carried out in an expository manner in person;
- 1 exercise of 2 hours carried out in an interactive manner in person.

Textbook and teaching resource

No textbook is required, what is explained in the lesson will be sufficient for the completion of the elective course.

If the student happens to have a camera, they can bring it to the course to learn how to use it in the most effective way possible.

Semester

The elective course will take place in the second semester.

Assessment method

The elective course of “Basic Elements of Digital Photography and PowerPoint Presentation” does not provide for any exam. For the successful completion of the course, it is necessary for the student to attend the course.

Office hours

The office hours are:

Tuesday from 9.00 to 12.00
Wednesday from 14.00 to 15.00

Please contact the professor at the institutional email (gianluca.porcaro@unimib.it) to make an appointment.

Sustainable Development Goals

PARTNERSHIPS FOR THE GOALS