

## 29344 - Dental Photography

### Syllabus Information

**Academic Year:** 2020/21

**Subject:** 29344 - Dental Photography

**Faculty / School:** 229 - Facultad de Ciencias de la Salud y del Deporte

**Degree:** 442 - Degree in Odontology

**ECTS:** 3.0

**Year:** 3

**Semester:** Second semester

**Subject Type:** Optional

**Module:** ---

### 1.General information

#### 1.1.Aims of the course

#### 1.2.Context and importance of this course in the degree

#### 1.3.Recommendations to take this course

### 2.Learning goals

#### 2.1.Competences

#### 2.2.Learning goals

#### 2.3.Importance of learning goals

### 3.Assessment (1st and 2nd call)

#### 3.1.Assessment tasks (description of tasks, marking system and assessment criteria)

### 4.Methodology, learning tasks, syllabus and resources

#### 4.1.Methodological overview

The methodology followed in this course is oriented towards the achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as theory sessions, and clinical practice sessions.

#### 4.2.Learning tasks

This course is organized as follows:

- **Theory sessions** (6 hours)
  - Photography Basics
  - Specific concepts of dental photography
  - Dental photography in different areas of dentistry
- **Practice sessions\*** (24 hours)
  - Basic handling of the camera.
  - Dental clinic digital photography and editing photographs

\* Given the exceptional circumstances of the academic year 2020/21, they can be replaced by online photographic series sessions for learning and displaying errors, if applicable.

### 4.3.Syllabus

This course will address the following topics:

#### Theory

- 01 - History of Photography
- 02 - Basics of Photography
  - 2.1 Focus, exposure and framing
  - 2.2 Shutter speed
  - 2.3 Aperture
  - 2.4 Iso
  - 2.5 Depth of field
  - 2.6 Focal Length
- 03 - Elements of a camera and basic operation
  - 3.1 Body: shutter, viewfinder, sensor ...
  - 3.2 Objectives: Iris. Types: telephoto, macro, wide-angle, zoom ...
  - 3.3 Flash and lighting: integrated, external, specific flashes in dentistry.
  - 3.4 Filters
- 04 - Dental Photography
  - 4.1 Basic dental intraoral and extraoral Photography
  - 4.2 Photography in orthodontics
  - 4.3 Photography in periodontics
  - 4.4 Photography in cosmetic dentistry

#### Practice

- 05 - Setting up the equipment for use in the clinic.
- 06 - Effective Capturing images and conducting clinical photographic series.
- 07 - Editing images

### 4.4.Course planning and calendar

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course will be provided on the first day of class or please refer to the Faculty of Health and Sports Sciences website and Moodle.

Degree website: <https://fccsyd.unizar.es/odontologia/grado-odontologia>

### 4.5.Bibliography and recommended resources

(BB) Vernedas A. Iniciación a la fotomacrografía dental. El Vern edicions, 1998.

(BB) Bengel W. Mastering Digital Dental Photography. Quintessence Publishing Co Ltd, 2006