

3.00 credits

20.0 h + 10.0 h

Q2

Teacher(s)	Lemaitre Vincent ;Wauters Pascale ;
Language :	French
Place of the course	Bruxelles Woluwe
Learning outcomes	
Evaluation methods	The exam is a written exam which consists of several questions, including multiple choice. The questions will include, on the one hand, problems similar to those solved at the tutorial sessions, during the practical work or during the lecture, and, on the other hand, questions which aim to verify that the concepts and developments presented during the course have been assimilated (questions of comprehension or possibly demonstrations made during the lecture, ...). It is also essential to bring a simple scientific calculator to the exam. The terms mentioned above are valid regardless of the session.
Teaching methods	Teaching activities include the theoretical course, tutorials in an auditorium, devoted to problems that students must prepare in advance, laboratory sessions and tutorials.
Content	This teaching unit covers the following subjects: optics (nature of light, mirrors, lenses, optical instruments and colours), biomechanics (deformations of solids) and elements of modern physics and their applications in dentistry.
Inline resources	The exercise syllabus, the "slides" presented during the course and a form can be found on the Moodle space of the course. On this same Moodle space there is also access to didactic applications including a lexicon which describes all the notions of physics seen in the course as well as a series of problems, presented in the form of multiple-choice questions. The student who has difficulty solving these problems also has clues to help him discover by himself the procedure to follow in order to arrive at the solution.
Bibliography	Le cours s'appuie sur certains chapitres du volume 3 des livres de physique "Benson": si possible la 5ème édition) Edition de boeck Le Volume 3 "Ondes, optique et physique moderne " pour les parties oscillations, ondes mécaniques, ondes électromagnétiques et optique géométrique. Le livre de J. Kane et M. Sternheim intitulé « PHYSIQUE » édité par Dunod, est un bon livre de référence.
Other infos	Following the sanitary conditions, the modalities of the teaching AND the examination could be reassessed according to the situation and the rules in force.
Faculty or entity in charge	MDEN

<b>Programmes containing this learning unit (UE)</b>				
Program title	Acronym	Credits	Prerequisite	Learning outcomes
Bachelor in Dentistry	DENT1BA	3		