

## Learning outcomes igiene dentale

<b>MODULE name</b> <b>MODULE number</b>	<b>IDH Biological Sciences for Dental Hygienist</b> <b>1.1</b>
<b>Learning outcomes</b>	
<i>Competences</i>	At the end of the module/unit the learner will have acquired the responsibility and autonomy to: a) Apply and explain the basic concepts in physiology and biochemistry of the human body related to Dental Health Care b) Describe the structure, function and interrelationships of the main biomolecule and metabolic processes in which they take part as reagents.
<i>Knowledge</i>	At the end of the module/unit the learner will have been exposed to the following: a) sound knowledge and understanding of cell biology including cellular structure and the function of human tissues and organs. b) In depth description of the metabolic and catabolic reactions and processes that take place within the human body
<i>Skills</i>	At the end of the module/unit the learner will have acquired the following skills:  a) Ability to explain and describe physical, chemical and biochemical properties and possible effects on humans of functional groups and biomolecules  <b>Module-Specific Learner Skills</b>  At the end of the module/unit the learner will be able to:  a) Apply and describe the basic concepts of physiology, general biochemistry, clinical biochemistry and general biology, with particular emphasis on oral physiology. b) Apply appropriate scientific and medical terminology  <b>Module-Specific Digital Skills and Competences</b>  At the end of the module/unit, the learner will be able to:  b) Collect data from primary and secondary sources; interpret and apply this appropriately
<b>Mode of delivery</b>	Contact Hours Delivered Fully Online 30%  Contact Hours Delivered Fully Face-to-Face 70%
<b>Total number of ECTS of this module/unit</b>	9
<b>How this module/unit will be taught</b>	This module will be delivered through three 3-hour lecture and practicals
<b>How this particular module/unit will be assessed</b>	<b>Assessment 1</b> 2 written papers comprising short and long answered questions on the topics covered during the module.

	<p><b>Assessment 2</b> Presentation 10 minutes Provides the student with an opportunity to explore a specific aspect of the module in more depth relating them to Dental hygiene. It will demonstrate the student's ability to use evidence based information. This project involves the construction of a simple physiological/ biological/biochemical model either in 2D or 3D, this allows students to use other learning styles to fulfil this assignment. It also allows students work creatively as well as theoretically. The models can be digitalised or of solid form. Students will be asked to present and discuss the model within a 10 minute seminar setting including questions. The aim of the project is to prepare a visual aid to applying biological sciences to Dental Hygiene..</p>
--	--

<b>MODULE name</b>	<b>IDH English</b>
<b>MODULE number</b>	<b>1.2</b>
<b>Learning outcomes</b>	
<i>Competences</i>	At the end of the module/unit the learner will have acquired the responsibility and autonomy to: a) Understand, write, and speak English in areas related to the discipline or in general, especially in terms of a professional and scientific setting.
<i>Knowledge</i>	At the end of the module/unit the learner will have been exposed to the following a) The scientific-professional micro language of Dental Health. b) Use of dictionaries and machine translation systems.
<i>Skills</i>	<p>At the end of the module/unit the learner will have acquired the following skills</p> <p>a) To discuss effectively , both in writing and speaking, their specific area of Dental Health and areas related to their course of study.</p> <p>b) Improving their general and specific knowledge of Dental Health,</p> <p>c) Using up to date professionally and scientifically English-based information channels.</p> <p><b>Module-Specific Learner Skills</b> (Over and above those mentioned in Section B)</p> <p>a) Possess the suitable language and terminology to communicate the conceptual framework of the discipline to specialists and laypeople, demonstrating sufficient reasoning and clear presentation skills for a multidisciplinary setting.</p> <p>Communicate their knowledge with clear concepts and terminology and know how to identify solutions, frame problems, and relate to topics and entities related to their course of study</p> <p><b>Module-Specific Digital Skills and Competences</b> (Over and above those mentioned in Section B)</p> <p>At the end of the module/unit, the learner will be able to</p> <p>a) Know how to clearly identify the distinctive traits of learning strategies and ways of improving their own skills. Know how to relate to appropriate contexts and develop adequate awareness.</p>

	b) search databases for valid scientific contributions c) compare different points of view by searching for specific information on the net
<b>Mode of delivery</b>	Contact Hours Delivered Fully Online 70%  Contact Hours Delivered Fully Face-to-Face 30%
<b>Total number of ECTS of this module/unit</b>	4
<b>How this module/unit will be taught</b>	The teaching delivery will be composed of 15x 2 hour lectures
<b>How this particular module/unit will be assessed</b>	<p><b>The written test</b>          The written test will be taken BEFORE the oral test. Only students who have successfully passed their written test will be able to take the oral test. The written test is composed of exercises such as cloze tests, true-or-false questions, multiple choice questions, gap filling and sentence transformations. Dictionaries and any other materials are not allowed.          60%</p> <p><b>The oral test</b>          The oral test may be taken only after the students have successfully passed their written tests. The oral test consists of a conversation on one of the topics of the syllabus. During the oral test students have to prove that they can talk about themes and subjects that will be indicated during the course in a linguistically correct manner.          40%</p>

<b>MODULE name</b>	<b>IDH Applied Physics and Medical Statistics</b>
<b>MODULE number</b>	<b>1.3</b>
<b>Learning outcomes</b>	
<i>Competences</i>	At the end of the module/unit the learner will have acquired the responsibility and autonomy to:  a) Apply the basic concepts of physics, descriptive statistics and the design of clinical studies to the medical and dental health sciences
<i>Knowledge</i>	At the end of the module/unit the learner will have been exposed to the following: a) knowledge of concepts and physical quantities useful for understanding the pathophysiological events of the human organism. b) the statistical principles of good practice in medical investigations
<i>Skills</i>	At the end of the module/unit the learner will have acquired the following skills: a) how to correctly interpret results obtained from the use of simple application programs for both study and work b) Recognize and explain the basic laws of physics c) Critically interpret medical literature  <p><b>Module-Specific Learner Skills</b>          At the end of the module/unit the learner will be able to          a) Demonstrate the application of basic elements for an autonomous and correct use of data</p>

	<p><b>Module-Specific Digital Skills and Competences</b></p> <p>At the end of the module/unit, the learner will be able to</p> <p>a) Identify their own strengths and weaknesses, and personal learning styles, knowledge and skills. to consult search engines for the collection of information, useful for carrying out scholarly activities.</p>
<b>Mode of delivery</b>	<p>Contact Hours Delivered Fully Online 90%</p> <p>Contact Hours Delivered Fully Face-to-Face 10%</p>
<b>Total number of ECTS of this module/unit</b>	5
<b>How this module/unit will be taught</b>	The teaching delivery will be composed of 15x 2 hour lectures
<b>How this particular module/unit will be assessed</b>	<p><b>Assessment 1</b> One hour online applied short and long answer Weighting 40%</p> <p><b>Assessment 2</b> creation of a word and an excel project based on a content provided by the teacher. Weighting 60%</p>

<b>MODULE name</b>	<b>IDH Human anatomy and histology</b>
<b>MODULE number</b>	<b>1.4</b>
<b>Learning outcomes</b>	
<i>Competences</i>	<p>At the end of the module/unit the learner will have acquired the responsibility and autonomy to:</p> <p>a) be aware of how to clinically assess the role of micro-organisms, especially those particularly related to the development of biofilms (plaque) within the oral environment, both in health and disease.</p>
<i>Knowledge</i>	<p>At the end of the module/unit the learner will have been exposed to the following:</p> <p>a) the anatomy of the head and neck anatomy including the teeth and supporting structures</p> <p>b) tooth morphology and the stages of tooth development.</p>
<i>Skills</i>	<p>At the end of the module/unit the learner will have acquired the following skills:</p> <p>a) To identify individual teeth and be able to describe their morphological features and development</p> <p>To describe basic cell biology of oral structures including the role of principle molecules and the normal processes that occur in living cell</p>

	<p><b>Module-Specific Learner Skills</b> (Over and above those mentioned in Section B)</p> <p>At the end of the module/unit the learner will be able to</p> <ul style="list-style-type: none"> <li>a) Identify the facial skeleton, soft tissues, salivary glands and dental hard tissues</li> <li>b) Demonstrate basic knowledge of the physiology and biochemistry of saliva</li> </ul> <p><b>Module-Specific Digital Skills and Competences</b> (Over and above those mentioned in Section B)</p> <p>At the end of the module/unit, the learner will be able to</p> <ul style="list-style-type: none"> <li>a) Demonstrate IT skills to complete coursework assessment component</li> <li>b) Search for and select relevant sources of information and can cite and reference correctly</li> <li>c) Develop IT skills</li> </ul>
<b>Mode of delivery</b>	<p>Contact Hours Delivered Fully Online 30%</p> <p>Contact Hours Delivered Fully Face-to-Face 70%</p>
<b>Total number of ECTS of this module/unit</b>	5
<b>How this module/unit will be taught</b>	This module will be delivered through three 3-hour lecture and practicals
<b>How this particular module/unit will be assessed</b>	<p><b>Assessment 1</b> Weighting 70% two written examinations will be unseen papers that consists of a number of short and 4 long answer question</p> <p><b>Assesment 2</b> Weighting 30% Laboratory Report laboratory report that requires the student to analyse and document their findings from practical sessions, including observations made during the study of anatomical specimens or histological slides.</p>

<b>MODULE name</b> <b>MODULE number</b>	<b>IDH Dental Sciences 1 - Cariology 1</b> <b>(Microbiology, General hygiene,</b> <b>Cariology)</b> <b>1.5</b>
<b>Learning outcomes</b>	
<i>Competences</i>	<p>At the end of the module/unit the learner will have acquired the responsibility and autonomy to:</p> <ul style="list-style-type: none"> <li>a) relate epidemiology and disease transmission with the principles of dental decays etiopathogenesis</li> </ul>

<i>Knowledge</i>	<p>At the end of the module/unit the learner will have been exposed to the following:</p> <p>a) the principles of epidemiology and disease transmission</p> <p>b) aetiology, pathogenesis, diagnosis and non-surgical management of diseases affecting the periodontal tissue</p>
<i>Skills</i>	<p>At the end of the module/unit the learner will have acquired the following skills:</p> <p>a) To describe and discuss the basics of oral disease</p> <p>Relate the human immune system with its role in both health and disease</p> <p><b>Module-Specific Learner Skills</b></p> <p>At the end of the module/unit the learner will be able to</p> <p>a) Describe the aetiology, pathogenesis, diagnosis and non-surgical management of diseases affecting the periodontal tissue</p> <p>b) discuss the importance of dental hygienist for the management of pregnant women</p> <p><b>Module-Specific Digital Skills and Competences</b></p> <p>At the end of the module/unit, the learner will be able to</p> <p>a) Recover and utilising online information</p> <p>b) Manage the flow of online communication</p>
<b>Mode of delivery</b>	<p>Contact Hours Delivered Fully Online 20%</p> <p>Contact Hours Delivered Fully Face-to-Face 80%</p>
<b>Total number of ECTS of this module/unit</b>	7
<b>How this module/unit will be taught</b>	This module will be delivered through three 3-hour lecture and practicals
<b>How this particular module/unit will be assessed</b>	<p><b>Assessment 1</b> Closed question short and long answer questions 75%</p> <p><b>Assesment 2</b> 10 minute presentation on specific aspect of the course using evidence base literature to justify the dicusion 25%</p>

<b>MODULE name</b> <b>MODULE number</b>	<b>IDH Microbiology and General Pathology for Dental Hygienist 1.6</b>
<b>Learning outcomes</b>	
<i>Competences</i>	<p>At the end of the module/unit the learner will have acquired the responsibility and autonomy to:</p> <p>a) Describe oral diseases and their relevance to prevention, diagnosis and treatment</p> <p>b) Recognise which microorganisms are responsible for infections of the oral cavity, how to treat them and how to prevent them</p>
<i>Knowledge</i>	<p>At the end of the module/unit the learner will have been exposed to the following:</p> <p>a) Clinical aspects and aetio-pathological factors of diseases of both general and an Odontostomatological perspective</p> <p>b) The principles of evidence-based practice and be able to make appropriate decisions on patient care and management using this approach</p>
<i>Skills</i>	<p>At the end of the module/unit the learner will have acquired the following skills:</p> <p>a) Understand the mechanisms of action of antibacterial, antifungal, antiprotozoal and antiviral drugs</p> <p>b) The ability to correctly interpret microbiological reports</p> <p><b>Module-Specific Learner Skills</b></p> <p>At the end of the module/unit the learner will be able to</p> <p>a) Correctly take samples of pathological material to be sent to the laboratory for microbiological and pathological investigations</p> <p>b) Explain the potential routes of transmission of infectious agents in dental practice, mechanisms for the prevention of infection, the scientific principles of decontamination and disinfection and their relevance to health and safety</p> <p><b>Module-Specific Digital Skills and Competences</b></p> <p>At the end of the module/unit, the learner will be able to</p> <p>a) Recover and utilising online information</p> <p>b) Manage the flow of online communication</p>
<b>Mode of delivery</b>	<p>Contact Hours Delivered Fully Online 70%</p> <p>Contact Hours Delivered Fully Face-to-Face 30%</p>
<b>Total number of ECTS of this module/unit</b>	5

<b>How this module/unit will be taught</b>	This module will be delivered through three 3-hour lecture and practicals
<b>How this particular module/unit will be assessed</b>	<b>Assessment 1</b> Closed question short and long answer questions Weighting 70% <b>Assessment 2</b> Timed seen 1000 word essay on specific area of the module Weighting 30%

<b>MODULE name</b>	<b>IDH Clinical Practice 1</b>
<b>MODULE number</b>	<b>1.7</b>
<b>Learning outcomes</b>	
<i>Competences</i>	<p>At the end of the module/unit the learner will have acquired the responsibility and autonomy to:</p> <ul style="list-style-type: none"> <li>a) Demonstrate a working knowledge of practical and professional requirements to professional practice as a dental hygienist</li> <li>b) Implement and perform effective decontamination and infection control procedures according to current guidelines</li> <li>c) Apply basic life support protocol and cardiopulmonary resuscitation</li> </ul>
<i>Knowledge</i>	<p>At the end of the module/unit the learner will have been exposed to the following:</p> <ul style="list-style-type: none"> <li>a) details of instrumentation, dental indices to monitor periodontal disease</li> <li>b) systematic intra oral and extra oral clinical examination</li> <li>c) theoretical aspects of clinical skills, patient management and oral health promotion</li> </ul>
<i>Skills</i>	<p>At the end of the module/unit the learner will have acquired the following skills:</p> <ul style="list-style-type: none"> <li>a) To recognise the needs and management of different patient groups.</li> <li>b) To communicate efficiently and emphatically with patients and the dental team.</li> </ul> <p><b>Module-Specific Learner Skills</b></p> <p>At the end of the module/unit the learner will be able to</p> <ul style="list-style-type: none"> <li>a) Demonstrate safe practices in the clinical environment under close supervision.</li> <li>b) Communication effectively with patients and the dental team.</li> </ul>



	<p>c) Apply reflective skills that will enable the enhancement for self and patient management skills</p> <p><b>Module-Specific Digital Skills and Competences</b> At the end of the module/unit, the learner will be able to</p> <p>a) use computer technology to support the use of application software</p>
<b>Mode of delivery</b>	<p>Contact Hours Delivered Fully Face-to-Face 100%</p>
<b>Total number of ECTS of this module/unit</b>	20
<b>How this module/unit will be taught</b>	Teaching time is divided between the simulator head labs and clinical practice placements
<b>How this particular module/unit will be assessed</b>	<p><b>Assessment 1</b> Weighting 80% Clinical portfolio: The student will be required to submit a complete portfolio of evidence in accordance with the published contents list, which clearly demonstrates the student's participation in processes of reflection and the application of theory to practice The clinical portfolio should include:</p> <ul style="list-style-type: none"> <li>• A development action plan</li> <li>• Placement diary</li> <li>• Reflective accounts of practice</li> <li>• Case study reports</li> <li>• Satisfactory Tutor report on participation</li> </ul> <p>The Module can only be successfully completed with a pass in the portfolio. Students will have formative tutorials at pre- agreed dates throughout the Clinical practice. The portfolio will be signed off at these points by the clinical dental educator if all the required material is present. The portfolio will require 4 successful Clinic Educator sign offs to pass.</p> <p><b>Assessment 2</b> Weighting 20% Case study 20 minute presentation This essay will aim to demonstrate the student's ability to use current and valid literature to justify the approach protocol to a clinical situation in their portfolio. They will need to justify their discussion with at least 2 two articles. Students will need to highlight links to professional standards</p> <p>Each student will prepare a presentation to outline key messages and reflect on feedback. Presentations will be delivered in a group setting whilst on placement and will be assessed by one tutor and peer reviewers.</p>

<b>MODULE name</b>	<b>IDH Evidence based practice 1</b>
--------------------	--------------------------------------

<b>MODULE number</b>	<b>1.8</b>
<b>Learning outcomes</b>	
<i>Competences</i>	At the end of the module/unit the learner will have acquired the responsibility and autonomy to: a) effectively apply critical thinking skills in contexts relevant to professional practice
<i>Knowledge</i>	At the end of the module/unit the learner will have been exposed to the following: a) Validity of research and hypothesis
<i>Skills</i>	<p>At the end of the module/unit the learner will have acquired the following skills:</p> <p>a) Describe the principles of evidence based dentistry and apply these in relation to the practice of dental hygiene</p> <p><b>Module-Specific Learner Skills</b></p> <p>At the end of the module/unit the learner will be able to</p> <p>a) Critical thinking and problem-solving skills b) Application of an evidence-based approach to learning</p> <p><b>Module-Specific Digital Skills and Competences</b></p> <p>At the end of the module/unit, the learner will be able to</p> <p>a) develop a critique of the reliability of online sources b) Search for appropriate and relevant information sources c) Develop IT skills necessary for planning and completing all types of assessment</p>
<b>Mode of delivery</b>	<p>Contact Hours Delivered Fully Online 80%</p> <p>Contact Hours Delivered Fully Face-to-Face 20%</p>
<b>Total number of ECTS of this module/unit</b>	4
<b>How this module/unit will be taught</b>	This module will be delivered through three 3-hour lecture.
<b>How this particular module/unit will be assessed</b>	<p><b>Assessment 1</b> critical discussion A 2000-word this assessment requires the analysis of a real-world case study and for students to apply their knowledge and skills to the situation. The case study should be well-structured and well-written, and it should demonstrate the student's ability to think critically and to solve problems. The case study assessment include the following:</p> <p>An introduction that provides an overview of the case study A discussion of the key issues and challenges in the case study An analysis of the evidence and information presented in the case study</p>

	<p>A discussion of the possible solutions to the problems in the case study</p> <p>A recommendation for the best course of action</p>
--	---