



# UNIVERSITÀ DEGLI STUDI DI PALERMO

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| <b>DEPARTMENT</b>                   | Medicina di Precisione in area Medica, Chirurgica e Critica                                                                                                                                                                                                                                                                                                                      |             |                  |
| <b>ACADEMIC YEAR</b>                | 2020/2021                                                                                                                                                                                                                                                                                                                                                                        |             |                  |
| <b>BACHELOR'S DEGREE (BSC)</b>      | DENTAL HYGIENE                                                                                                                                                                                                                                                                                                                                                                   |             |                  |
| <b>SUBJECT</b>                      | ANATOMY WITH ELEMENTS OF HISTOLOGY                                                                                                                                                                                                                                                                                                                                               |             |                  |
| <b>TYPE OF EDUCATIONAL ACTIVITY</b> | A                                                                                                                                                                                                                                                                                                                                                                                |             |                  |
| <b>AMBIT</b>                        | 10338-Scienze biomediche                                                                                                                                                                                                                                                                                                                                                         |             |                  |
| <b>CODE</b>                         | 19981                                                                                                                                                                                                                                                                                                                                                                            |             |                  |
| <b>SCIENTIFIC SECTOR(S)</b>         | BIO/16                                                                                                                                                                                                                                                                                                                                                                           |             |                  |
| <b>HEAD PROFESSOR(S)</b>            | ANZALONE RITA                                                                                                                                                                                                                                                                                                                                                                    | Ricercatore | Univ. di PALERMO |
| <b>OTHER PROFESSOR(S)</b>           |                                                                                                                                                                                                                                                                                                                                                                                  |             |                  |
| <b>CREDITS</b>                      | 4                                                                                                                                                                                                                                                                                                                                                                                |             |                  |
| <b>INDIVIDUAL STUDY (Hrs)</b>       | 60                                                                                                                                                                                                                                                                                                                                                                               |             |                  |
| <b>COURSE ACTIVITY (Hrs)</b>        | 40                                                                                                                                                                                                                                                                                                                                                                               |             |                  |
| <b>PROPAEDEUTICAL SUBJECTS</b>      |                                                                                                                                                                                                                                                                                                                                                                                  |             |                  |
| <b>MUTUALIZATION</b>                |                                                                                                                                                                                                                                                                                                                                                                                  |             |                  |
| <b>YEAR</b>                         | 1                                                                                                                                                                                                                                                                                                                                                                                |             |                  |
| <b>TERM (SEMESTER)</b>              | 1° semester                                                                                                                                                                                                                                                                                                                                                                      |             |                  |
| <b>ATTENDANCE</b>                   | Mandatory                                                                                                                                                                                                                                                                                                                                                                        |             |                  |
| <b>EVALUATION</b>                   | Out of 30                                                                                                                                                                                                                                                                                                                                                                        |             |                  |
| <b>TEACHER OFFICE HOURS</b>         | <b>ANZALONE RITA</b><br>Tuesday 10:00 12:00 Dipartimento DICHIRONS via L. Giuffrè n.5* N.B.<br>perdurando i lavori di ristrutturazione del plesso di via L.<br>Giuffrè n.5 , il ricevimento studenti , fino alla fine dei lavori in<br>oggetto, avverrà in altri locali dell'ateneo. Gli studenti sono<br>pregati di contattare il docente alla email:<br>rita.anzalone@unipa.it |             |                  |

DOCENTE: Prof.ssa RITA ANZALONE

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| <b>PREREQUISITES</b>          | The student must have basic knowledge of cell biology.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>LEARNING OUTCOMES</b>      | <p>Knowledge and understanding ability</p> <p>At the end of the integrated course students will develop a knowledge of structural components of the human body, systems and systems and one understanding of the main histo-morphological aspects of organs and organs apparatuses. Students will develop skills in organizing a vision integrated of the main histo-morphological characteristics of the organism</p> <p>Ability to apply knowledge and understanding</p> <p>Students will gain an overall knowledge of the human body with an integrated view of organs and systems and, in particular, an ability to apply the understanding of anatomical structures in one's profession involved.</p> <p>Students will be able to use this knowledge directly as a basis for progress in the study of physiological mechanisms and characteristics clinical instrumental of the main pathologies of competence.</p> <p>Judgment autonomy</p> <p>Students will be able to evaluate and deal rationally and autonomous the problems on the cellular and morphological structuring of organs and apparatus, with particular attention to the orofacial district (or of the stomatognathic system). Students will develop ability to correlate i histo-morphological data acquired for the interpretation of functional disorders of bodies involved in carrying out their profession.</p> <p>Communication skills</p> <p>Students will develop ability to communicate and spread clearly and autonomy, both in their professional and non-professional fields knowledge acquired during the course, as well as ability to communicate ideas, problems and solutions related to this knowledge.</p> <p>Learning ability</p> <p>Students will develop mastery of the basic knowledge learned in the course, which will allow them to fully continue the subsequent stages of the studies, and ability to update and deepen this knowledge</p> |
| <b>ASSESSMENT METHODS</b>     | <p>The oral test consists of an interview aimed at ascertaining possession of the disciplinary skills and knowledge provided by the course with particular emphasis attention to the stomatognathic system without neglecting the study of others apparatuses. The interview includes a minimum of three questions on all the parts covered of the program. The evaluation will be expressed in thirtieths. It will be considered</p> <p>excellent (A; 30-30 e lode) the evaluation which will reveal excellent knowledge of the topics, excellent exhibition skills, good analytical skills; very good (B; 26-29) the evaluation that will reveal a good command of the topics, full language skills; good (C; 24-25) the evaluation that will reveal one basic knowledge of the main topics, fairly good language properties; satisfactory (D; 21-23) the evaluation that will reveal a knowledge but not a full mastery of the main topics, a satisfactory property of language; sufficient (E; 18-20) the evaluation that will reveal a minimum basic knowledge of the main topics, a poor ability to exposure; insufficient (F) the evaluation that will reveal a knowledge of the main arguments unacceptable.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>EDUCATIONAL OBJECTIVES</b> | <p>The aim of the teaching is to provide the anatomical and histological bases, systematic and topographical both macroscopic and microscopic.</p> <p>At the end of the course the student is able to recognize the structures of the stomatognathic apparatus and the morphofunctional organization of the apparatus e human body systems.</p> <p>It will recognize the macroscopic anatomy and histology of the buccal cavity, in particular the morpho-functional organization of the periodontal system.</p> <p>The student will recognize the structures that make up the buccal cavity and organs annexes, and will be able to describe the structural and ultrastructural characteristics of the organs and systems, through the use of images.</p> <p>The skills acquired must allow the subject to be able to continue and deepen his knowledge through updating and training go on</p> <p>The objective is to allow the acquisition of an adequate preparation of this discipline is designed to allow a better understanding of the phenomena which are the basis of the physiological processes for which the intervention is aimed of the dental hygienist</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>TEACHING METHODS</b>       | FRONTAL LESSONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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| <b>SUGGESTED BIBLIOGRAPHY</b> | Dellavia, Compendio di Anatomia oro-facciale, Edises<br>Tortora Gerard J, Nielsen Mark T. Principi di Anatomia Umana, Casa Editrice Ambrosiana<br>Martini et al Anatomia Umana, Edises |
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## SYLLABUS

| <b>Hrs</b> | <b>Frontal teaching</b>                                                                                                                                                                                                                                                             |
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| 5          | Elements of histology: The main tissues of the human body. The epithelial lining tissues with particular reference to the oral mucosa. The glandular epithelial tissues with particular reference to the salivary glands. Notes on bone and muscle tissue.                          |
| 1          | Anatomical terminology. Planes and axes of the human body.                                                                                                                                                                                                                          |
| 2          | Locomotor system: Notes on: Spine, rib cage, pelvis, upper and lower limbs                                                                                                                                                                                                          |
| 3          | Cardiovascular system: Notes on the heart, macroscopic anatomy, histology, small and large circulation. Generalities on blood vessels.                                                                                                                                              |
| 1          | Respiratory system: Notes on the nasal cavities, upper and lower airways                                                                                                                                                                                                            |
| 3          | Digestive system: Oral cavity, pharynx, esophagus, stomach, intestine, attached glands.                                                                                                                                                                                             |
| 3          | Urinary tract: generalities on the kidneys and urinary tract. Male and female reproductive systems.                                                                                                                                                                                 |
| 3          | Notes on the organization of nervous tissue. Organization of the central nervous system. Generalities on the cranial and spinal nerves. Brain nerves: V, VII, IX, X, XII.                                                                                                           |
| 3          | Elements of embryology and development of the splanchnocranium, with particular reference to the development of the palate and the tongue, as well as nasal cavities.                                                                                                               |
| 4          | Anatomy of the stomatognathic system: Skull: bones of the neurocranium and splanchnocranium, pits of the skull, temporomandibular joint, chewing muscles.                                                                                                                           |
| 4          | The oral cavity: walls and contents. Salivary glands major and minor. The tongue. Teething and arches dental. Morphology of the teeth and their relationships.                                                                                                                      |
| 8          | Elements of odontostomatological histology: Odontogenesis, amelogenesis and enamel, dentinogenesis and dentin, cementogenesis and cement, the mineralization of hard dental tissues. The periodontium: ligament periodontal, alveolar bone, gingiva. Crevicular fluid, dental rash. |