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| **Course number**:  **CLS 222** | **Course title: Descriptive Histology** |
| **Level/semester: 4th level / 2nd Semester** | |
| **Credit hours:** | **Thereof lecture hours: 2** |
| **Thereof practical hours: 2** |
| **Language: English** | |
| **Aims and goals/ skills of the course:** | The overall objective of this course is to prepare the students for the advanced courses in CLS and enables the student to identify microscopically the normal tissues and organs of the human body. This course will provide the student with the basic knowledge of the theoretical and applied aspects of cells and tissues which forms the organs of human body. This course will also cover the four basic tissues, their function, and the gross as well as the microscopic appearance of organs of the human body such as, nervous system, circulatory system, lymphatic system, respiratory system, digestive system, urinary system and the reproductive systems. |
| **Content of the course:** | **Weeks Subjects**  1. Introduction  2-3. Epithelial tissue:(definition, features, classification & function)  4. Connective tissue (definition, features, cells and fibers) Connective tissue types: (loose, dense, reticular, adipose and elastic)  5. Supportive connective tissue, Cartilage (general features, functions and types: hyaline, elastic, white fibrocartilage), Bone (general features, functions, types: spongy, compact and development)  6. Muscular tissue (general features and types)  7. Nervous tissue, Central nervous system (parts), types and structure of neuron Peripheral nervous system: Types and structure of  nerves and ganglia, Nerve endings, Synapse ,Neuroglia  8. Circulatory system, Blood circulation, Heart structure and function Arteries and veins (types, structure and comparison of both) Comparison between capillaries and sinisoids  Lymph circulatory system: lymph vessels  9. Lymphatic organs, Lymph nodes: structure and function  Spleen, thymus, tonsils  10. Respiratory system, Upper: nose, nasopharynx, larynx, Lower:  trachea, bronchus, bronchiole , Structure of the lung, Pleura  11-12. Digestive system, Oral cavity: lip, tongue (papillae and its function) Digestive tube: general structure of esophagus, stomach, small and large intestine, appendix  13. Digestive glands: Salivary gland, liver, gall bladder and pancreas  14. Urinary system, Parts, function and structure of kidney and urinary passage (ureter, urinary bladder and urethra in males  and females) |
| **Examination:** | *written & practical examination*  First Mid Term Examination: 15  Second Mid Term Examination: 15  Student activities, sharing, Quiz 10  Final Practical Examination: 20  Final Theoretical Examination: 40 |
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