

## 4<sup>th</sup> level -Second Year

<b>220 PHT – Functional anatomy of Musculoskeletal system</b>
<b>Course Description</b>
<p>The course is required for all undergraduate 2nd year, 4rd level physical therapy students. The course Functional musculoskeletal anatomy introduces the student to study of how the neuro-musculoskeletal structures of the human body function. This unit provides the student with a broad introduction to this area of human anatomy and equips him with the background knowledge he needs to study biomechanics at a more advanced level in the future. The students will explore topics such as the structure and function of musculoskeletal tissues and the basic elements of motor control and sensory feedback. and will investigate the functional anatomy of the upper and lower limbs, examine posture and locomotion, and develop an understanding of integrated musculoskeletal function. they will also briefly review the functional anatomy of adaptation due to growth and development, injury and disuse, and in response to exercise. The information delivered in this course; utilizes them in applying different physical therapy modalities (therapeutic exercises, electrotherapy, and test ad measurements) in the proper manner and for the properly targeted structure. Also, strong emphasis is provided on the surface identification of human anatomical structures.</p>

<b>221 PHT – Human Physiology</b>
<b>Course Description</b>
<p>The course is required for all undergraduate second year physical therapy students. The course introduces the student to various bases of human physiology and theoretical concepts behind it. Students involved in this course are expected to, integrate knowledge base from the basic sciences theory courses; utilize them understanding the process of illness and further employ proper physical therapy .modalities according to patient's condition</p>