
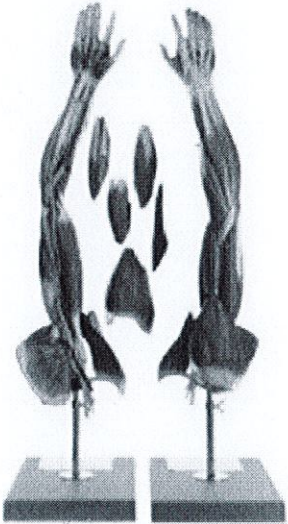
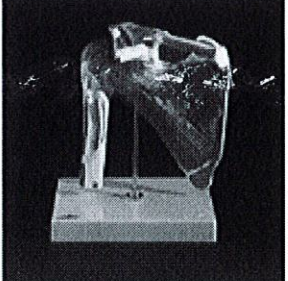





Department of Wellness

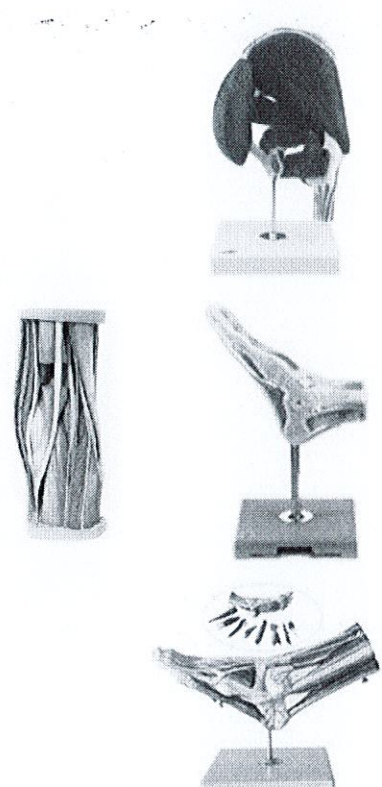
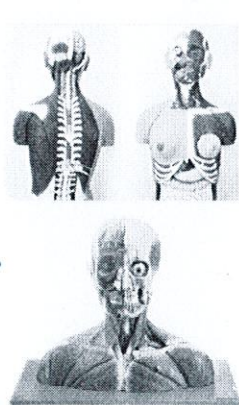
Anatomy models required for Bachelor of Physiotherapy

Item Name	Description	Specification	Picture
<p>Musculature model (Angiology and neurology incorporated models will be a better option)</p>	<p>Full human muscle model (life size)</p>	<ul style="list-style-type: none"> <li>• Human life size / or half size</li> <li>• Detachable arms, legs and abdominal wall</li> <li>• 5 arm / Shoulder muscles</li> <li>• 8 leg / hip muscles</li> </ul>	
	<p>Full Upper limb, layer by layer models</p>	<ul style="list-style-type: none"> <li>• Human life size</li> <li>• Complete superficial muscle and deep muscles</li> <li>• separates into 20 parts or more (detachable muscles)</li> <li>• The main segments can be disassembled (shoulder, arm, elbow, forearm, wrist, hand)</li> <li>• Shows the correct networks of blood vessels and nerves</li> </ul>	








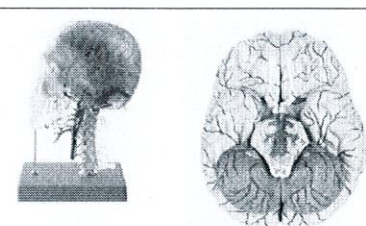


<p>Upper limb by segments (shoulder, arm, forearm and hand)</p>	<ul style="list-style-type: none"> <li>• <b>Shoulder:</b> consists of upper half of the humerus, clavicle and scapula / Detachable muscles &amp; movable joints</li> <li>• <b>Cubital fossa model</b> <ul style="list-style-type: none"> <li>○ Displays a superficial dissection of the right distal arm and proximal forearm,</li> <li>○ The skin and superficial fascia has been removed anteriorly, medially and laterally to expose the superficial veins (basilic, cephalic, and median cubital) and cutaneous (medial, lateral and posterior antebrachia!) nerves.</li> <li>○ Arm cross section of muscles visible with neurovascular components</li> <li>○ Forearm cross section of muscles visible with neurovascular components</li> </ul> </li> <li>• <b>Hand:</b> Shows muscles and tendons / Detachable layers</li> </ul>	  
<p>Full Lower limb, layer by layer models</p>	<ul style="list-style-type: none"> <li>• Human life size</li> <li>• Complete Superficial muscle and deep muscles</li> <li>• Separates into 20 parts or more (detachable muscles)</li> <li>• The main segments can be disassembled (Hip, Thigh, Knee, leg, ankle, foot)</li> </ul>	


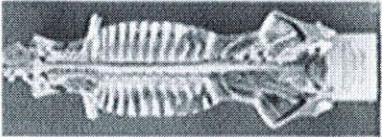



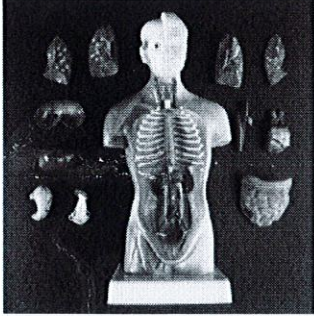
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		<ul style="list-style-type: none"> <li>Shows the correct networks of blood vessels and nerves</li> </ul>	
<p>Lower limb by segments (hip, thigh, leg and foot)</p>		<ul style="list-style-type: none"> <li><b>Hip:</b> Removable muscles/ visible muscle insertion</li> <li><b>Popliteal fossa model:</b> <ul style="list-style-type: none"> <li>○ Sciatic nerve and great saphenous vein are also visible.</li> <li>○ The skin, superficial fascia, and deep fascia have been removed over the popliteal fossa to expose the contents of the space</li> <li>○ Thigh cross section of thigh muscles visible</li> <li>○ Leg, below knee muscles cross section visible</li> </ul> </li> <li><b>Foot:</b> muscles, tendons, ligaments, nerves, arteries, and veins visible /Removable layers / Shows internal bones, muscles, ligaments and nerves</li> </ul>	
<p>Axial musculature, trunk and back muscles</p>		<p>Trunk</p> <ul style="list-style-type: none"> <li>Removable muscles and organs</li> <li>Open back view</li> <li>Twelfth section of the thoracic spinal cord included</li> <li>Shows muscular system with the deep-set muscles</li> </ul> <p>Head and back</p> <ul style="list-style-type: none"> <li>Removable muscles to show the carotid trigone</li> <li>Can be separated medially into two halves</li> <li>Shows arteries and nerves</li> </ul>	

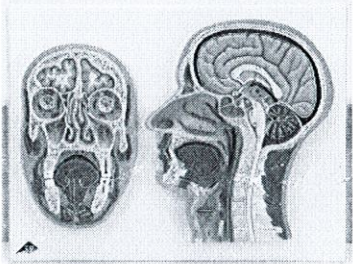

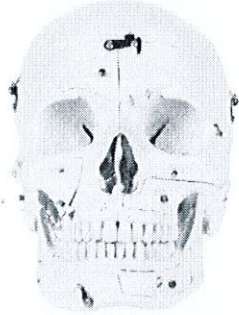
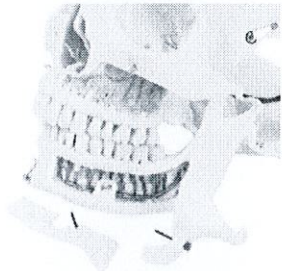
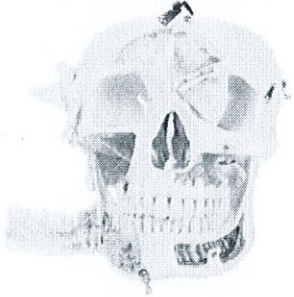


Arthrology models	Separate joints of the human body (with mobility) and visible ligaments attached. 1. Shoulder joint with ligaments	<ul style="list-style-type: none"> <li>Movable joint (abductions, anteversion, retroversion, internal and external rotation)</li> <li>Shows cartilage</li> </ul>	
	2. Elbow joint with ligaments	<ul style="list-style-type: none"> <li>Detachable ligament system</li> <li>Demonstrate all the natural movements of the elbow</li> </ul>	
	3. Wrist joint with ligaments	<ul style="list-style-type: none"> <li>Fully flexible (shows Lifelike movements)</li> </ul>	
	4. Hip joint with ligaments	<ul style="list-style-type: none"> <li>Fully flexible (shows Lifelike movements)</li> <li>Shows all the ligaments of hip joint</li> </ul>	
	5. Knee joint with ligaments	<ul style="list-style-type: none"> <li>Fully flexible (shows Lifelike movements)</li> <li>Shows all the ligaments</li> </ul>	
	6. Ankle joint with ligaments	<ul style="list-style-type: none"> <li>Shows all major and minor ligaments</li> <li>Flexible (shows Lifelike movements)</li> <li>Minor ligament model should show all fibers (pic 2)</li> </ul>	
	7. Pelvic ligaments	<ul style="list-style-type: none"> <li>Life size female pelvis model</li> <li>showing the 5th lumbar vertebra and pelvic ligaments with fiber orientations visible</li> </ul>	
Neurology of body segments	1. Cranial nerves	<ul style="list-style-type: none"> <li>Cyto-architectural areas are indicated on the brain</li> <li>Cranial nerves and the arterial vessels are also shown</li> <li>Separates into 8 parts:</li> </ul>	


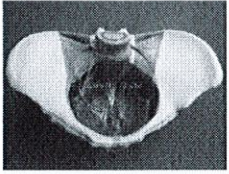
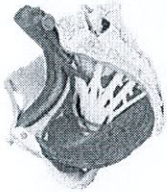
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		<ul style="list-style-type: none"> <li>○ Frontal and parietal lobes (2)</li> <li>○ Temporal and occipital lobes (2)</li> <li>○ Medulla (2)</li> <li>○ Cerebellum</li> <li>● Brain is removable to show 12 cranial nerves and the arterial vessels in skull and neck area</li> </ul>	
	2.Cervical plexus	<ul style="list-style-type: none"> <li>● Shows the brain stem, the spinal cord and the nerve branches up to the coccygeal plexus</li> <li>● Connections to the central nervous system displayed</li> </ul>	
	3.Brachial plexus	<ul style="list-style-type: none"> <li>● Shows musculocutaneous, median, ulnar, axillary, and radial nerves</li> <li>● Formation and course visible</li> </ul>	
	4.Spinal nerves	<ul style="list-style-type: none"> <li>● Allows realistic demonstration and portrayal of natural human movement.</li> </ul>	
	5.Lumbar and sacral plexus	<ul style="list-style-type: none"> <li>● Human spine, with pelvic muscle, disc herniation, spinal nerve and upper femur</li> </ul>	
Internal organs and trunk		<ul style="list-style-type: none"> <li>● Easy observation for the opened body and back, removable thorax and abdomen</li> <li>● All the internal organs can be pulled out</li> <li>● Thoracic musculature visible</li> <li>● Abdominopelvic deep muscles visible with nerves and arteries</li> </ul>	

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<p>Different head models</p>	<p>1. Head in different views</p> <p>2. Skull with demonstration components</p>	<p>Median and Frontal Section of The Human Head Anatomy Model</p> <ul style="list-style-type: none"> <li>• Head on baseboard</li> <li>• Include cross sections of the brain, spinal cord, and sinuses of the human head</li> </ul> <p>Axis Scientific Half Head with Muscles, Nerves and Vasculature</p> <ul style="list-style-type: none"> <li>• Half head model</li> <li>• Numbered anatomical features and paired with a full color product manual</li> <li>• Lateral musculature visible with muscles of facial expressions</li> </ul> <p>Demonstration Skull</p> <ul style="list-style-type: none"> <li>• Life size</li> <li>• Horizontal section of the skull exposes the cranial cavity in which the course of the meningeal vessels, the venous sinuses and the internal carotid artery are indicated in color</li> <li>• A sagittal section exposes the structure of the nasal cavity including frontal and sphenoidal sinuses.</li> <li>• Frontal sinus is further dissected on one side by a bony section, on the other side it is resected in its outline</li> <li>• Temporal bone is removable and sectioned into two parts presenting internal ear anatomy in full view.</li> <li>• Mandible and the maxillae are opened on one side presenting the roots of teeth with dental vessels and nerves presented artificially in color</li> </ul>	    
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		<ul style="list-style-type: none"> <li>• maxillae can be opened by a bony window</li> </ul>	
Pelvic floor muscles		<p>Musculature model</p> <ul style="list-style-type: none"> <li>• Female pelvis</li> <li>• Detachable pelvic floor muscles (12 part)</li> </ul> <p>Neurovascular model</p> <ul style="list-style-type: none"> <li>• pelvis and its ligaments</li> <li>• nerves</li> <li>• perineum</li> </ul> <p>Female Pelvis half</p> <ul style="list-style-type: none"> <li>• ligaments</li> <li>• vessels</li> <li>• nerves</li> <li>• pelvic floor muscles</li> <li>• female genital organs</li> </ul>	  

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