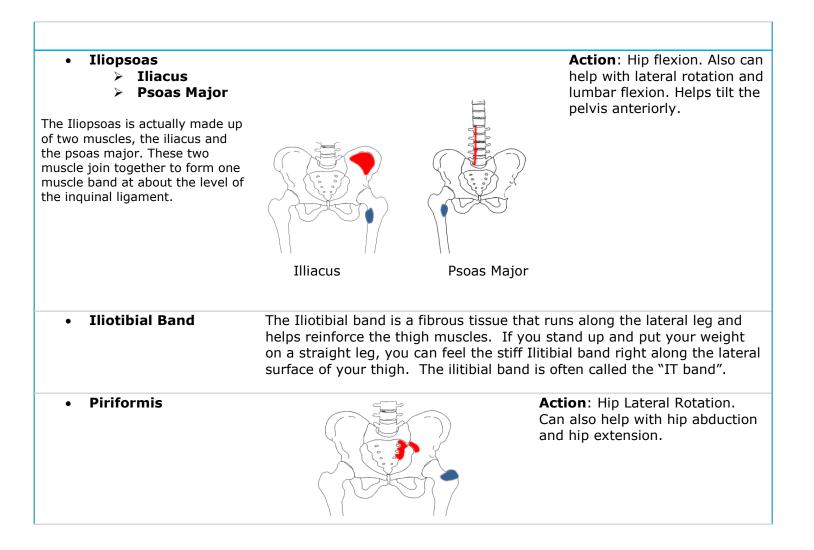
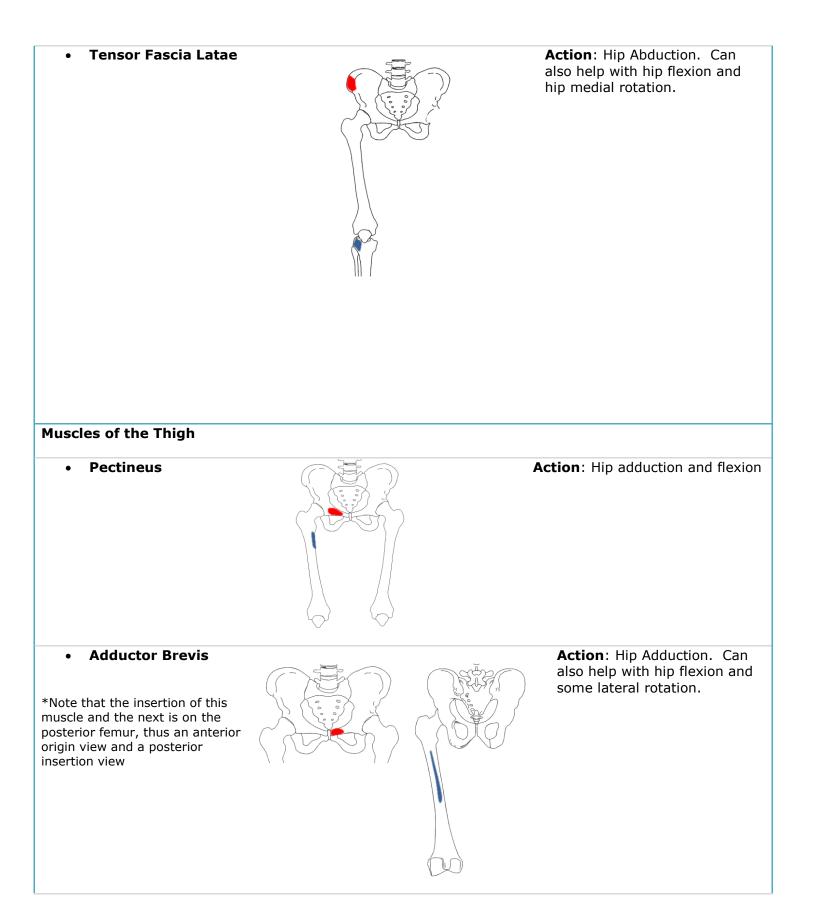


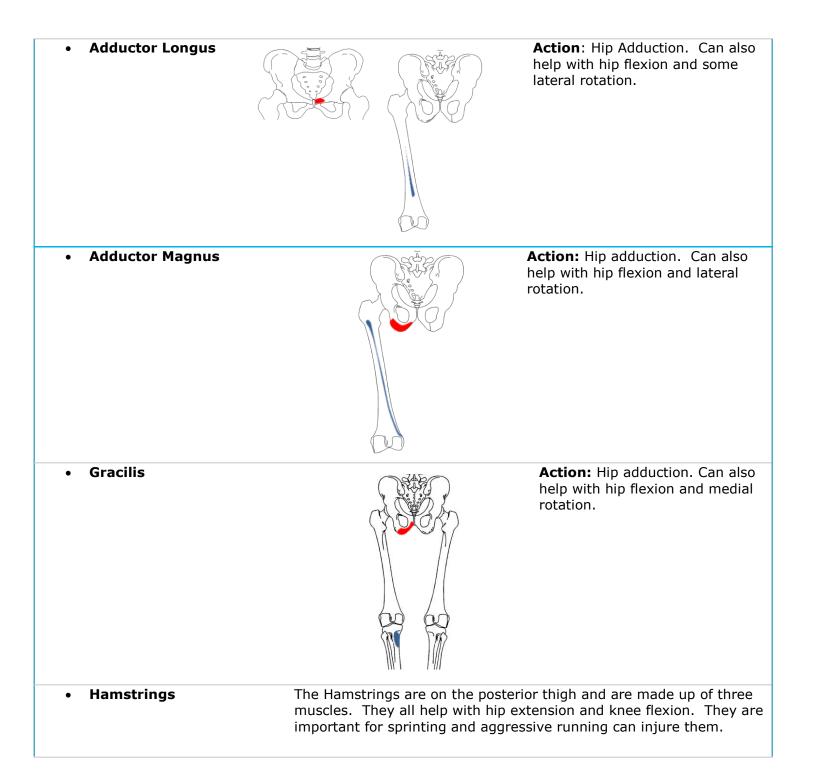
Module 8 - The Muscular System Muscles of the Hips and Legs

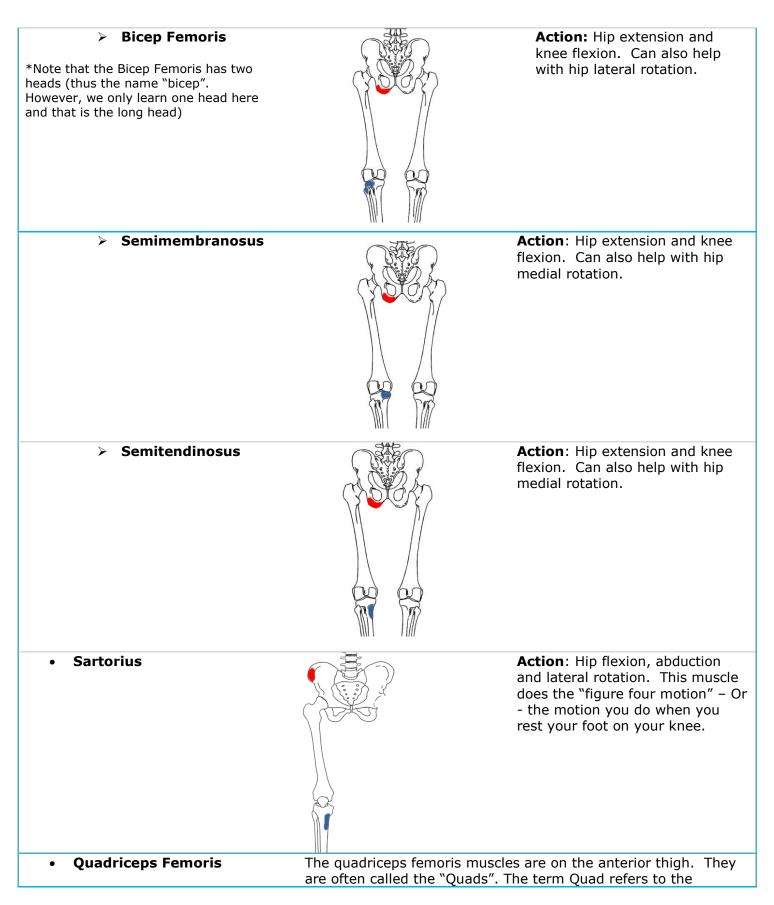
This Module will cover the muscle anatomy of the hips and legs. First we will cover the muscles found around the hip region that move the femur. Next we will learn about the muscles found in the thigh region that move the foreleg. Finally, we will learn about muscles on the foreleg that for the most part will affect the foot, however there is one muscle that we have placed in the leg section that actually does not affect the foot. It is called the Popliteus. Look for it in your studies. It is a small muscle but has one important function which is to "unlock" the leg from a rigid standing position.

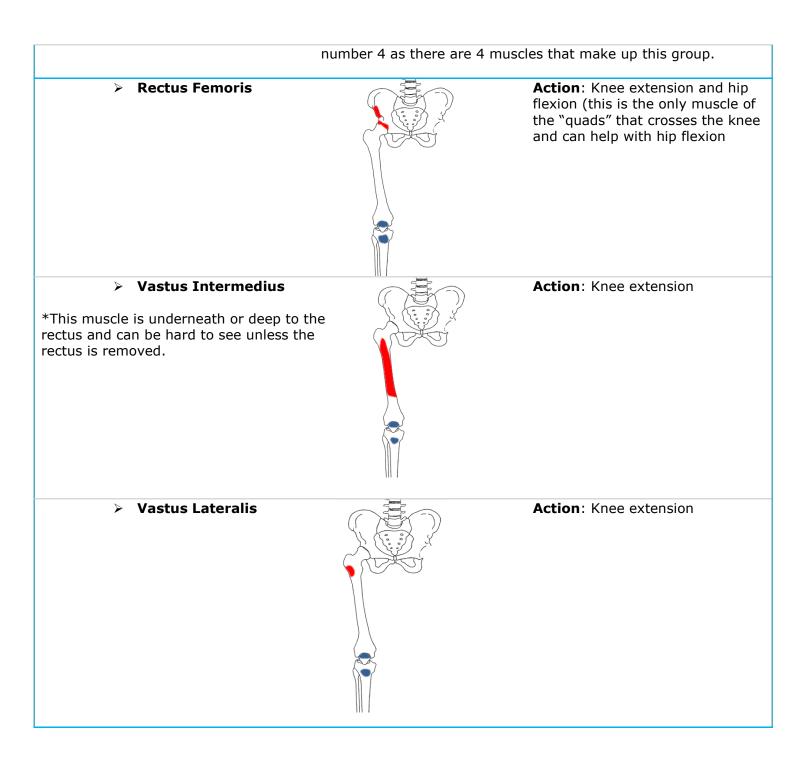
LIST OF TERMS TO KNOW FOR THE MUSCLES OF THE HIPS AND LEGS			
Muscles of the Hip			
• Gluteus Maximus		Action : Extends the femur at the hip joint. Also helps with lateral rotation, adduction or abduction depending on the starting point of the motion	
• Gluteus Medius		Action : Hip Abduction. Can help with medial rotation and lateral rotation as well	
• Gluteus Minimus	muscle and is not visible on to describe where this mu	Helps the Gluteus Medius with all of its actions. This is a deep muscle and is not visible on the models in our lab. We generally have to describe where this muscle is or show pictures from other sources for testing purposes. We will not require you to know origin and insertion for this muscle.	

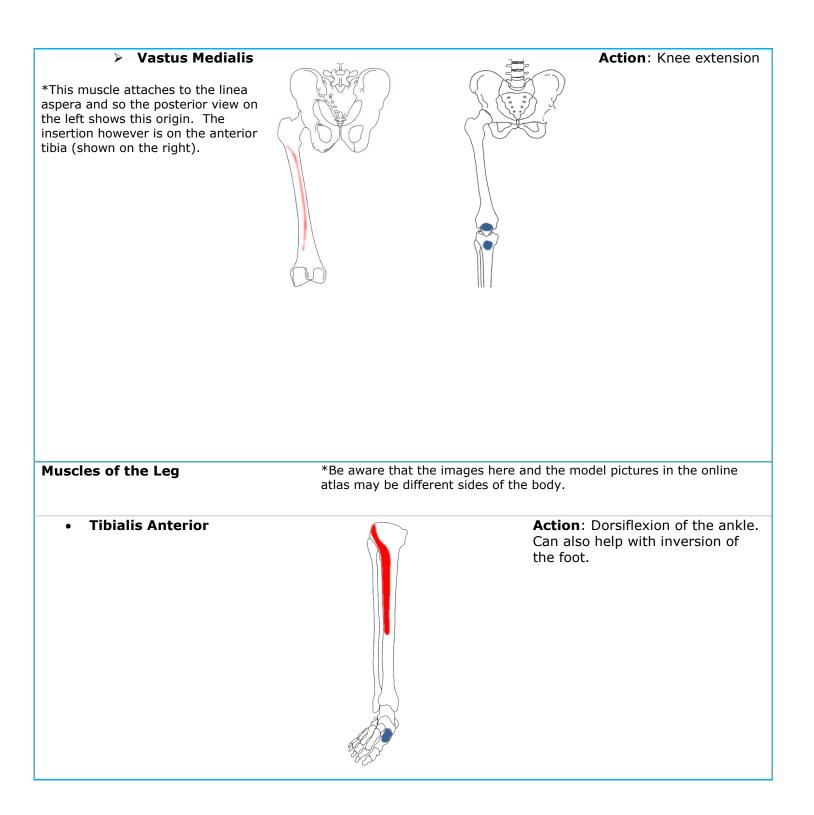


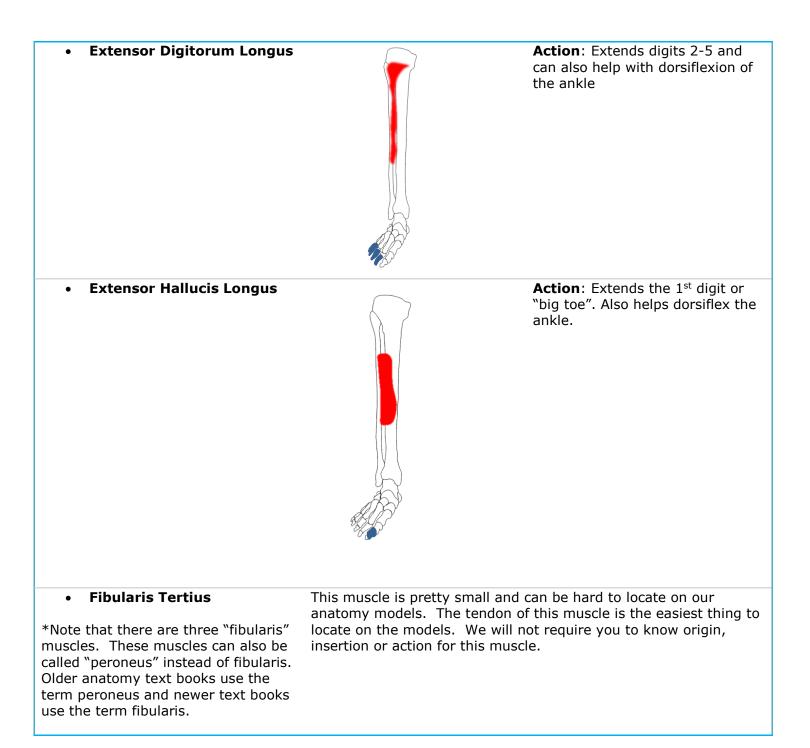


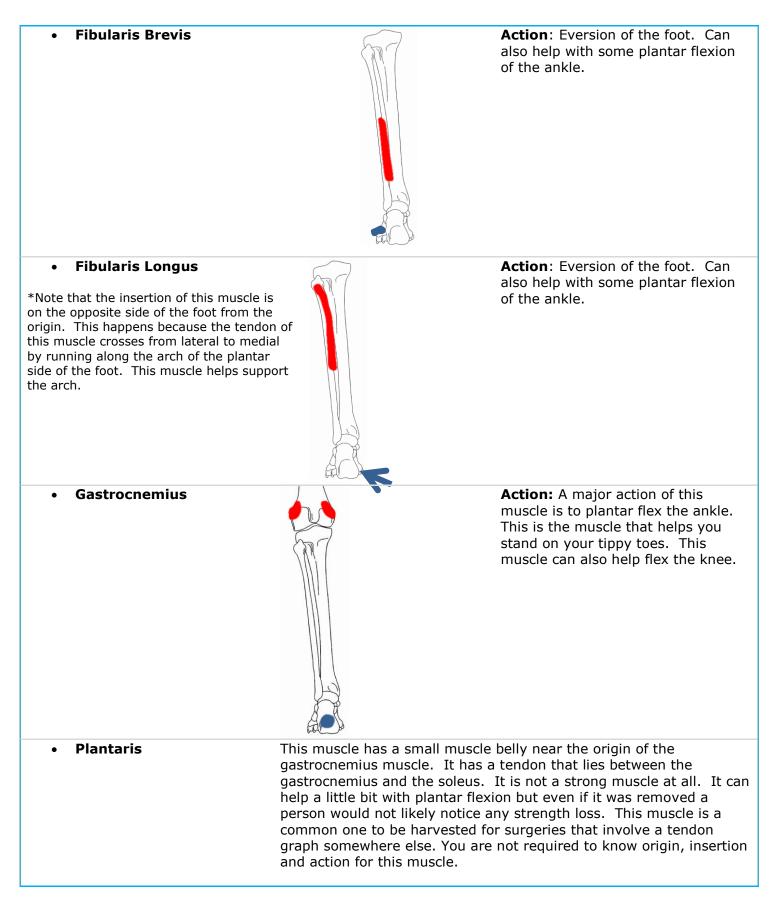












• Soleus		Action : Plantar flexion of the ankle
• Tendo Calcaneous	The tendo calcaneous is also commonly called the Achilles tendon. This tendon is very strong and serves as the common attachment point for the gastrocnemius, plantaris and soleus. After receiving all the muscle fibers from these three muscles, this tendon attaches to the posterior calcaneous where it pulls up and causes the front of the foot to drop (this motion is called plantar flexion).	
• Popliteus		Action: Helps with knee flexion and medial rotation. This muscle is said to "unlock" the knee from a fully straight position to a slightly bent position.
• Flexor Digitorum Longus *Note that the origin of this muscle is the plantar surface of the toes and so the arrows are alluding to this even though it cannot be clearly seen. This is the same for the next muscle as well.		Action: Flexes the digits 2-5. In other words, this muscle flexes the all of the toes accept the great toe or "big toe". This muscle can also help with plantar flexion of the ankle

