

Chapter 11 The Muscular System Lecture Outline

Muscle organization

1. Parallel muscles
 - distance
2. Convergent muscles
 - versatility
3. Pennate muscles
 - strength
 - A. Unipennate
 - B. Bipennate
 - C. Multipennate
4. Circular muscles
 - closure

Muscle terminology

Origin
Insertion
Action
Agonist
Synergist
Antagonist

Naming

1. Location
2. Fascicle organization
3. Relative position
4. Structure, Size, Shape
 - A. Number of tendons
 - B. Shape
 - C. Relative size
5. Origin & Insertion
6. Action

*Individual muscles, origins, insertions and actions will be examined in detail in lab!