

BIOLOGY 306 COMPARATIVE ANATOMY
LAB # 7
ANATOMY OF THE CAT:
External Anatomy and Muscular System
Quiz diagrams: 35.1 (p. 311) and 35.4 (p. 314)

I. ANATOMY OF THE CAT

Find the following structures.

A. External Anatomy, Ch. 33, p. 279-282

Pinna	Vibrissae
Eyes	Anus
Superior palpebra (upper eyelid)	Urogenital aperture (females, just anterior to the anus)
Inferior palpebra (lower eyelid)	Scrotum (males)
Nictitating membrane	
External nares	

B. Muscular System, Ch. 35, p. 309-325, Figures 35.1 - 35.16

SUPERFICIAL THORACIC MUSCLES

Pectoantebrachialis	Pectoralis minor
Pectoralis major	Xiphohumeralis

ABDOMINAL MUSCLES

External oblique	Transversus abdominis
Internal oblique	Rectus abdominis

SUPERFICIAL BACK MUSCLES

Clavotrapezius	Spinotrapezius
Clavobrachialis	Latissimus dorsi
Acromiotrapezius	

DEEP THORACIC MUSCLES

Serratus ventralis
Scalenus (scalenus anterior, scalenus medius, scalenus posterior)
Transversus costarum
Intercostalis externus (External intercostals)
Serratus dorsalis (superior & inferior)

LOWER BACK MUSCLES: LUMBAR AND THORACIC

Multifidus spinae	Spinalis dorsi
Longissimus dorsi	Iliocostalis

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MUSCLES OF THE NECK

Sternomastoid
Sternohyoid
Sternothyroid
Thyrohyoid
Mylohyoid

Geniohyoid
Genioglossus
Hyoglossus
Styloglossus
Cricothyroid

DEEP NECK AND BACK MUSCLES

Rhomboideus capitis
Rhomboideus cervicis
Rhomboideus thoracis

Splenius

MUSCLES OF THE HEAD

Masseter
Temporalis

Digastric

MUSCLES OF THE SHOULDER

Supraspinatus
Infraspinatus
Teres major
Levator scapulae ventralis

Acromiodeltoid
Spinodeltoid
Subscapularis