# Biol&241 Unit 3, Lab 1

**MUSCLES OF THE AXIAL SKELETON**

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You must know ACTION, ORIGIN, and INSERTION of all muscles marked with **“\*”.**....know ACTION of all others and be able to identify ALL muscles on models and charts. Refer to Muscle list provided. Muscles marked by a **“C”** indicate muscles that can be observed and tested on the cadavers.

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**MUSCLES OF THE HEAD AND NECK:**

(Movements related to facial expression)

**Epicranius** (Occipitalis & **(C)** Frontalis) **Orbicularis oris**

**Zygomaticus major Levator labii superioris**

**Depressor labii inferioris Buccinator**

**Mentalis Platysma**

**Risorius Orbicularis oculi**

**Corrugator supercilii Levator palpebrae superioris**

(Movement of the eyeball)

**Superior rectus Inferior rectus**

**Lateral rectus Medial rectus**

**Superior oblique Inferior oblique**

(Movement of mandible, tongue and pharynx

**\*Masseter \*Temporalis**

**Medial pterygoid Lateral pterygoid**

**\*Genioglossus Styloglossus**

**\*Stylohyoid Hyoglossus**

**\*Digastric**

(Movement of the head and neck)

**\*(C) Sternocleidomastoid (C) Splenius capitis**

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**MUSCLES OF THE TRUNK:**

(Muscles of breathing)

**\*Diaphragm \* (C) External intercostals**

**\* (C) Internal intercostals**

(Muscles of the abdominal wall)

**\*(C) Rectus abdominis \* (C) External oblique**

**\*(C) Internal oblique \* (C) Transversus abdominis**

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(Deep muscles of the back)

**Quadratus lumborum**

**(C) Erector spinae (Sacrospinalis) muscles:**

**1) Spinalis (capitis, cervicis, thoracis)**

**2) Longissimus (capitis, cervicis, thoracis)**

**3) Iliocostalis (cervicis, thoracis, lumborum)**

(Muscles of the pelvic floor and perineum)

**Levator ani Bulbospongiosus**

**Coccygeus Ischiocavernosus**

**External anal sphincter**

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