

## SCIT 1408: Study Guide Outline of Laboratory Modules

### Lab #4

Note: This list of modules contains all the structures you are to know for lab quizzes and practical exams. It is also an excellent study guide for lecture exams.

\* *Starred items are found in the text book, but not in the lab manual.*

#### **Module 10**

Respiratory Control of Breathing

Medulla Oblongata

Respiratory Control Center

\*Dorsal respiratory group

\*Ventral respiratory group

\*Pons

\*Pontine respiratory group

\*Pneumotaxic center

\*Apneustic center

\*Carotid and Aortic bodies

\*Hydrogen ions

\*Carbon dioxide

Hyperventilation

Hypoventilation

De-glutition Apnea

#### **Module 11**

Spirometry and lung capacities

Spirometer

Dry (Propper)

Wet (Phipps & Bird)

\*Respiratory cycle

Tidal Volume (TV)

Minute respiratory Volume (MRV)

Expiratory Reserve Volume (ERV)

Vital Capacity (VC)

Inspiratory Capacity (IC)

Inspiratory Reserve Volume (IRV)

Residual Volume (RV)

\*Total Lung Capacity (TLC)

\*Anatomic dead space

\*Alveolar dead space

\*Physiologic dead space

Spirogram

FEV<sub>T</sub>

FEV<sub>1</sub>

FEV<sub>1</sub>  
Vocabulary  
\*Compliance  
\*Surfactant