**Respiratory physiology**

**Session one outline**

Ref – respiratory physiology West

**Ventilation**

Chapter 2

* Lung volumes
* Dead space

**Diffusion**

Chapter 3

* Ficks law
  + Vἀ A/T .D.p1-p2
  + D=Sol/ √MW

**V/Q ratios**

Chapter 5

* Alveolar gas equation
  + PAo2=PIO2-pco2/R +f
  + PIO@ = FIO2(Patm-47)
* Regional differences in ventilation and perfusion

**Gas transport**

Chapter 6

* O2 dissociation curve
* CO2 carriage
* CO2 curve
* Cl shift