Walter Reed Cardiothoracic Anesthesia

Required reading:

Core Topics in Cardiac Anaesthesia, Mackey, J. and Arrowsmith, J., 2nd Edition

Manual of Perioperative Care in Adult Cardiac Surgery, Bojar, R.

Week 1:

"Basic Principles of Cardiac Surgery", pages 108-111
"Patient Selection and Risk Stratification", pages 103-106
"Anesthesia and the Cardiovascular System", pages 33-37
"Premedication, Induction and Maintenance", pages 169-173
"Cardiopulmonary Bypass Equipment", pages 345-354
"Routine Conduct of Cardiopulmonary Bypass", pages 175-180
"Routine Early Postoperative Care", pages 181-185
“Failure to Wean from Bypass", pages 355-358
"Effects of CPB on Drug Pharmacokinetics", pages 71-73
"Anticoagulants and Procoagulants", pages 64-70
"Coagulopathy and Blood Conservation", pages 366-373

Week 2:

"Invasive Hemodynamic Monitoring", pages 141-146
“Cardiovascular Management”, *Bojar* pages 341-420
"Aortic Valve Disease", pages 193-199
"Mitral Valve Disease", pages 200-207

Quiz:       CV Anesthesia Quiz 1
URL:   http://www.quia.com/quiz/7003806.html

Required reading: Core Topics in Thoracic Anaesthesia, Searl, C. and Ahmed, S.

Week 3:

“Thoracic anatomy”, pages 3-8
“Respiratory physiology”, pages 9-14
“Respiratory pharmacology”, pages 15-18
“Respiratory diseases”, pages 19-32
“Pre-operative assessment of the thoracic surgical patient”, 33-40
“Lung isolation”, pages 41-51
“Management of one-lung ventilation”, pages 52-58
“Pain management after thoracotomy”, pages 190-195
“General post-operative management”, pages 166-170
“Arrhythmias after thoracic surgery”, pages 203-207
Week 4:

“Anesthetic implications of bronchoscopy”, pages 59-63
“Anesthesia for mediastinoscopy and mediastinal surgery”, 68-72
“Anesthesia for video-assisted thoracoscopic surgery”, 75-80
“Anesthesia for lung resection”, pages 81-85
“Lung transplantation”, pages 91-98
“Anesthesia for tracheal surgery”, pages 64-67
“Anesthesia for esophageal surgery”, pages 105-113

Quiz:       TCV Anesthesia Final Quiz
URL:       http://www.quia.com/quiz/3377396.html

Recommended reading:

A Practical Approach to Cardiac Anesthesia, Hensley, F.
Manual of Perioperative Care in Adult Cardiac Surgery, Bojar, R.

Additional resources:

Free online CV surgery texts:
http://www.tsranet.org/resources/tsra-primer/

3D Animated TEE Exam:
http://pie.med.utoronto.ca/tee/TEE_content/TEE_standardViews_intro.html

Bronchoscopy simulator:
http://www.thoracic-anesthesia.com/?page_id=2