AEROSPACE MEDICINE

BOOKS

WEBSITES
Aerospace Medical Association Medical Guidelines for Airline Travel
ASAMS Aerospace Medicine Practice Guidelines
http://www.asams.org/guidelines.htm
Guide for Aviation Medical Examiners
http://www.faa.gov/about/office_org/headquarters_offices/avs/offices/aam/ame/guide/media/guide.pdf

PERIODICALS (PREVIOUS FIVE YEARS) INCLUDING:
Aviation, Space and Environmental Medicine

PERCENTAGE DISTRIBUTION OF TEST ITEMS
I. The Flight Environment (40%)
II. Clinical Aerospace Medicine (30%)
III. Operational Aerospace Medicine (20%)
IV. Management and Administration (10%)

SPECIALTY OUTLINE
I. The Flight Environment
   A. The Biosphere
   B. Theory of flight
      1. Aviation - fixed and rotary wing
      2. Spaceflight
   C. Physiology
      1. Respiratory
      2. Cardiovascular
      3. Spatial orientation
      4. Bioacoustics
      5. Visual
   D. Gravitational effects
      1. High performance
      2. Microgravity
   E. Pressure effects
      1. Hypobaric
      2. Hyperbaric
   F. Other physical effects
      1. Shock and vibration
      2. Thermal
      3. Radiation
      4. Toxicology

G. Human factors
   1. Human-machine interface
   2. Human performance

H. Aerospace systems
   1. Vehicles
   2. Ground support
   3. Simulators
   4. Remotely Piloted Vehicles
   5. Escape mechanisms
   6. Medical systems

II. Clinical Aerospace Medicine
   A. Fitness for duty and return to work
      1. Cardiology
      2. Pulmonary
      3. Ophthalmology
      4. Otolaryngology
      5. Psychology and psychiatry
      6. Neurology
      7. Other medical and surgical conditions
   B. Health maintenance
      1. Wellness
      2. Self-imposed stress

III. Operational Aerospace Medicine
   A. Air and space operations
      1. Military
      2. Civil aviation
      3. Space
   B. Selection and retention
      1. Medical standards
      2. Aeromedical evaluations
      3. Longitudinal surveillance
   C. Aeromedical transportation
   D. Survival, search and rescue
      1. Crash worthiness
      2. Search and rescue systems
      3. Airport disaster management
   E. Mishap investigation
      1. Site activities
      2. Forensic considerations
      3. Accident rate and data
   F. Travel medicine

IV. Management and Administration
   A. Regulations
      1. Military
      2. Civil
      3. International
   B. Organizations
      1. ICAO
      2. WHO
      3. DOT/FAA
      4. NASA
      5. NTSB