

# MICROBIOLOGY



## DAY 1

### Antimicrobials and Microbiology

Total Duration: 1 hour 40 minutes

- Beta-Lactam Introduction – 9:22
- Penicillins – 6:43
- Beta-Lactamase Sensitive Penicillin – 12:21
- Beta-Lactamase Resistant Penicillin – 5:16
- Antipseudomonal Penicillins – 5:23
- Key Bacterial Virulence Mechanisms – 5:33
- Cephalosporins – 7:09
- Broad Spectrum Antibiotics – 4:30
- Rapid Review – 1:02
- 30S Ribosomal Subunit Antibiotics – 5:43
- 50S Ribosomal Subunit Antibiotics – 6:24
- Resistance Mechanisms & Conclusion – 5:18

#### Suggested Study Duration:

- Antimicrobials - PDF Handout (~15-20 minutes)

## DAY 2

### USMLE Ethics, PBLI, Patient Safety, and Physician Communication

Total Duration: 1 hour 50 minutes

- Introduction to Ethics – 5:36
- Core Ethical Principles – 48:37
- Public Health Sciences – 16:00
- Nosocomial Infections – 8:50
- Patient Safety – 18:02
- Physician Communication – 4:43