

GENERAL MICROBIOLOGY

APPROXIMATE SCHEDULE OF EVENTS FALL, 2006

| <u>Day</u> | <u>Date</u> | <u>Topic</u> | <u>Class Session</u> | <u>Text Chapter</u> |
|------------|-------------|---|----------------------|---------------------|
| W | 6 Sept | Introduction | | |
| F | 8 | Microbiology in Perspective I: History and Scope of Microbiology | 1 | 1 |
| M | 11 | Microbiology in Perspective II: Microscopy | 1 | 2 |
| W | 13 | Microbial Anatomy I: Cell Membranes & Internal Structures | 2 | 3 |
| F | 15 | Microbial Anatomy II: Cell Walls & External Structures Review Chapter 4 on your own. | 2 | 3 |
| M | 18 | Microbial Growth I: Nutrition | 3 | 5 |
| W | 20 | Microbial Growth II: Growth | 3 | 6 |
| F | 22 | Microbial Growth III: Control of Growth | 3 | 7 |
| M | 25 | Microbial Metabolism I: Enzyme Structure and Function | 4 | 8 |
| W | 27 | Microbial Metabolism II: Catabolism | 4 | 9 |
| F | 29 | Microbial Metabolism II: Catabolism (continued) | 4 | 9 |
| M | 2 Oct | Microbial Metabolism III: Biosynthesis | 4 | 10 |
| W | 4 | Microbial Metabolism III: Biosynthesis (continued) | 4 | 10 |
| F | 6 | Microbial Genetics I: Gene Structure, Mutations and Repair | 5 | 11 |
| M | 9 | Microbial Genetics I: Gene Structure, Mutations and Repair (cont.) | 5 | 11 |
| W | 11 | Microbial Genetics II: Gene Expression and Regulation | 5 | 12 |
| F | 13 | Microbial Genetics II: Gene Expression and Regulation (cont) | 5 | 12 |
| M | 16 | Microbial Genetics III: Genetic Recombination | 5 | 13 |
| W | 18 | Microbial Genetics III: Genetic Recombination (cont.) | 5 | 13 |
| F | 20 | Microbial Genetics IV: Recombinant DNA Technology | 5 | 14, 15 |
| M | 23 | Viruses I: General Characteristics of Viruses | 6 | 16 |
| W | 25 | Viruses II: Bacteriophages | 6 | 17 |
| F | 27 | Viruses III: Animal Viruses | 6 | 18 |
| M | 30 | Microbial Diversity I: Evolution and Taxonomy Review Chapters 20-27 on your own. | 7 | 19 |
| W | 1 Nov | Microbial Diversity I: Evolution and Taxonomy (continued) | 7 | 19 |
| F | 3 | Microbial Diversity II: Symbiotic Relationships | 7 | 28 |
| M | 6 | Environmental Microbiology I: Nutrient Cycling & Energy Flow | 8 | 28 |
| W | 8 | Environmental Microbiology II: Aquatic Ecosystems | 8 | 29 |
| F | 10 | Holiday | | |
| M | 13 | Environmental Microbiology III: Terrestrial Ecosystems | 8 | 30 |
| W | 15 | Applied Microbiology I: Food Microbiology | 9 | 41 |
| F | 17 | Applied Microbiology II: Industrial Microbiology | 9 | 42 |
| M | 20 | Medical Microbiology I: Pathogenicity Review Chapters 31-33 on your own. | 10 | 34 |
| WF | 22-24 | Holiday | | |
| M | 27 | Medical Microbiology II: Antimicrobial Chemotherapy | 10 | 35 |
| W | 29 | Medical Microbiology III: Epidemiology | 10 | 37 |
| F | 1 Dec | Medical Microbiology IV: Microbial Diseases | 10 | 38-40 |

| | | | | |
|-----|-----------|---|------|-------|
| M | 4 | Medical Microbiology IV: Microbial Diseases | 10 | 38-40 |
| W | 6 | Medical Microbiology IV: Microbial Diseases | 10 | 38-40 |
| F | 8 | Medical Microbiology IV: Microbial Diseases | 10 | 38-40 |
| M-F | 23-27 Oct | Midterm Exams | 1-5 | 1-18 |
| M-F | 11-14 Dec | Final Exams | 1-10 | Comp. |