

# CLS 212 Medical Microbiology

- **INSTRUCTOR**

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# CLS 212 Medical Microbiology

- **BOOKS:**

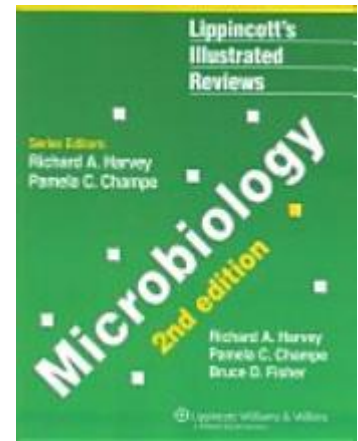
1. **Microbiology for the Health Sciences**

By Paul G. Engelkirk, Gwendolyn R. W. Burton—  
Lippincott Williams & Wilkins (2004), 7<sup>th</sup>  
Edition.



2. **Lippincott's Illustrated Reviews: Microbiology**

By Richard A. Harvey, Pamela C. Champe,  
Bruce D. Fisher - Lippincott Williams &  
Wilkins (2006), 2<sup>nd</sup> Edition.



# CLS 212 Medical Microbiology

- **COURSE ASSESMENT**      Total of 100%

- 1. **Theory Part:**      Total of 70%

- First Midterm Exam : **15%**
- Second Midterm Exam : **15%**
- Final Theoretical Exam : **40%**

- 2. **Practical Part:**      Total of 30%

- Lab Quizzes: **10%**
- Final Practical Exam: **20%**

# Laboratory

## Safety 101:

- Always wear lab coat
- Always wear closed shoes
- Never eat or drink
- Wear gloves when dealing with biohazards
- Never leave personal items on benches
- Always wash your hands before leaving the lab

# CLS 212 Course Outline

## 1. Introduction to Microbiology

### Part One: Structure of Microorganisms

## 2. Viruses

## 3. Fungi

## 4. Parasites

## 5. Bacteria

### Part Two: General Aspects in Microbiology

## 6. Normal Flora + Microbial Growth

## 7. Inhibiting Microbial Growth *in vitro*

## 8. Inhibiting Microbial Growth *in vivo*

(Antimicrobial Agents)

# CLS 212 Course Outline

## Part Three: Pathogenicity and Host Defense Mechanisms

- 9. Pathogenicity of Infectious Diseases
- 10. Introduction to Immunology

## Part Four: Major Diseases of Humans

- 11. Nosocomial Infections
- 12. Respiratory Infections
- 13. Food and Water-borne Infections
- 14. Skin + Sexually Transmitted Infections