

Scoring Rubric for Microbiology Semester Writing Project

Paper I - Description of the pathogenic microorganism

- 16 pt. 1. Content (Useful information in Prescott - chapters 3-10, 16, 18, 19-27)
- morphological characteristics
 - type of metabolism
 - environmental conditions required for growth
 - genetics/pathogenic mechanism(s)
- 5 pt. 2. Writing style (grammar, spelling, organization, etc.)
- 4 pt. 3. Style format and references

Paper is due at the beginning of the period, September 22, 2003

Please schedule a conference time with your instructor.

Paper II - Description of the disease

- 15 pt. 1. Content (Useful information in Prescott - chapters 34, 38-40)
- brief history
 - clinical symptoms/virulence/progression of the disease state
 - diagnostic procedures
(Be sure to include how the pathogen is identified in the clinical laboratory.)
- 5 pt. 2. Writing style (grammar, spelling, organization, etc.)
- 5 pt. 3. Style format and references

Paper is due at the beginning of the period, October 13, 2003

Schedule conference as needed.

Paper III - Epidemiology of the disease

- 15 pt. 1. Content (Useful information in Prescott - chapter 37)
- individuals at risk
 - transmission mechanism(s)
 - human behaviors involved in its spread
- 5 pt. 2. Writing style (grammar, spelling, organization, etc.)
- 5 pt. 3. Style format and references

Paper is due at the beginning of the period, November 3, 2003

Paper IV - Control of the pathogen and/or disease

- 15 pt. 1. Content (Useful information in Prescott - chapters 31, 35, 36)
- methods of disease prevention
 - clinical treatment of disease process
 - infection control of the microorganism (preventing the spread infection)
- 5 pt. 2. Writing style (grammar, spelling, organization, etc.)
- 5 pt. 3. Style format and references

Paper is due at the beginning of the period, November 18, 2003

Schedule final conference with your instructor.

Final Paper - Title of your choice that describes your particular paper.

- 20 pt. 1. Description of the pathogen (**Contents of Paper I**)
- 20 pt. 2. Description of the disease (**Contents of Paper II**)
- 5 pt. 3. Epidemiology
- 5 pt. 4. Individuals at risk for infection/pathology/disease state
- 10 pt. 5. Transmission mechanism of the disease including human behavior(s) involved in its spread (**3-5 Contents of Paper III**)
- 10 pt. 6. Method(s) of disease prevention, clinical treatment, and control of the microorganism(**Contents of Paper IV**)
- 10 pt. 7. Your personal thoughts and conclusions. This may be related to prevention, treatment, education, or research.
- 20 pt. 8. Incorporation of previous papers, overall writing, format, organization,

grammar, and references

Final paper is due December 8, 2003.

To obtain a grade of C you must complete the entire assignment as outlined, quoting referenced works.

To obtain a grade of B you must demonstrate an understanding of the authors main ideas and concepts by describing the referenced works in your own words.

To obtain a grade of A you must critically analyze the referenced works and apply what you learn about the relationships between microbes, humans, and disease to situations you may encounter in your career or life.