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)
   a. morphological characteristics
   b. type of metabolism
   c. environmental conditions required for growth
   d. 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)
   a. brief history
   b. clinical symptoms/virulence/progression of the disease state
   c. diagnostic procedures
   (Be sure to includ how the pathogen is identified in the clinical laboratory.)
5 pt. 2. Writing style (grammar, spelling, organization, etc.)
3 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)
   a. individuals at risk
   b. transmission mechanism(s)
   c. 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)
   a. methods of disease prevention
   b. clinical treatment of disease process
   c. 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,
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.