BIOL 1409: Spring 2015 Pathogen Project

Objective:
Investigate a pathogen and the disease it causes focusing on mode of transmission and human systems affected.

Facts/ Research:
Each student will be assigned a pathogen. You will need to research the pathogen and the disease it causes including its mode of transmission into the host. There needs to be sufficient research explaining how the pathogen affects the human systems or specific organs. A complete presentation will incorporate what you learned in microbiology with what you learned in human anatomy.

Power Point Guidelines:
Your presentation of disease facts must include a Power Point or Prezi presentation of at least 6 slides, no more than 12 slides. Your slides shouldn’t be too wordy and there should be pictures. Slides should introduce you to pathogen, the life cycle of the pathogen, disease caused, short term and long term effects of the disease, prevention, and treatment or cure of the disease.

Presentation:
Your presentation should be at least 5 minutes, no more than 8 minutes. This means you should practice and time yourself. You should be able to present the information without reading a paper (you can have note cards to guide you, but you cannot read your whole presentation. Practice the correct pronunciation of difficult words such as the name of your pathogen and disease. Seek help if you are unsure about this. The Merriam-Webster website (http://www.merriam-webster.com/) is a good place to listen to the correct pronunciation of words. You are expected to dress for the occasion.

Abstract:
An abstract is a short summary of your completed pathogen and disease research. If done well, it makes the reader want to learn more about your pathogen. The abstract should be no more than 250 words.

References:
You need 3 references minimum – 1 must be a book/magazine/ journal. Websites must be reputable sites (not Wikipedia). You should create a reference list to turn in along with your abstract. It provides the information necessary for a reader to locate and retrieve any source you use in compiling your research presentation. You will use the APA format for your reference list.

Library Instruction:
To assist you in gathering information about your pathogen and preparing your Power Point and bibliography, you are required to attend a library instruction session at the EFC library. Days will be designated by your instructor. This is mandatory – failure to attend a library session will result in a grade of zero for this assignment.

Speech Preparation:
You are expected to develop a clear presentation and to engage your audience. The EFC Speech department page has good information to help you prepare for this presentation. Tips for public speaking: http://www.eastfieldcollege.edu/al/Speech/PublicSpkgTips.asp Public speaking clips: http://www.eastfieldcollege.edu/al/Speech/VideoClips.asp
# Pathogen & Disease Caused

## I. Facts, Research (15 points)

Information: description of pathogen and disease caused: (5 points)
- Mode/ route of transmission?
- Distinguishing characteristics of pathogen
- Distinguishing characteristics of disease caused by pathogen

1 2 3 4 5


1 2 3 4 5

Accurate Information? Relevant information? Enough information? (5 points)

1 2 3 4 5

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## II. Power Point (12 points)

6 slides minimum? No more than 12 slides maximum. (5 points)

1 2 3 4 5


1 2 3 4

Sections labeled? Illustrations? Blank space? Misspelled words (3 points)

1 2 3

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## III. Presentation (13 points)

Presented without reading, made eye contact with audience? Oral presentation heard and understood? The voice level was appropriate. Presentation was clear, engaging, and words were pronounced correctly. (5 points)

1 2 3 4 5

At least 5 minutes not more than 8 minutes? (4 points) Time:________

1 2 3 4

Dressed appropriately? The student dressed appropriately and presented in a professional way. (4 points)

1 2 3 4

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## IV. Abstract and Works Cited (10 points)

Three references? Proper location? Proper APA format? (5 points)

1 2 3 4 5


1 2 3 4 5

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Library session attended:

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TOTAL GRADE