

**Question Category: 3 Exemplary Educational Objectives Natural Sciences THECB**

Natural Sciences Objective 1.) To apply method and appropriate technology to the study of natural sciences.

|                             |           |     |
|-----------------------------|-----------|-----|
| Dissatisfied                | 1         | 9%  |
| Highly Satisfied            | 2         | 18% |
| Not Applicable              | 1         | 9%  |
| Satisfied                   | 7         | 64% |
| <b>Total # of Responses</b> | <b>11</b> |     |

Natural Sciences Objective 2.) To recognize scientific and quantitative methods and the differences between these approaches and other methods of inquiry and to communicate findings, analyses, and interpretation both orally and in writing.

|                             |           |     |
|-----------------------------|-----------|-----|
| Dissatisfied                | 1         | 9%  |
| Highly Satisfied            | 2         | 18% |
| Not Applicable              | 1         | 9%  |
| Satisfied                   | 7         | 64% |
| <b>Total # of Responses</b> | <b>11</b> |     |

Natural Sciences Objective 3.) To identify and recognize the differences among competing scientific theories.

|                             |           |     |
|-----------------------------|-----------|-----|
| Dissatisfied                | 1         | 9%  |
| Highly Satisfied            | 1         | 9%  |
| Not Applicable              | 1         | 9%  |
| Satisfied                   | 8         | 73% |
| <b>Total # of Responses</b> | <b>11</b> |     |

Natural Sciences Objective 4.) To demonstrate knowledge of the major issues and problems facing modern science, including issues that touch upon ethics, values, and public policies.

|                             |           |     |
|-----------------------------|-----------|-----|
| Dissatisfied                | 1         | 9%  |
| Highly Satisfied            | 1         | 9%  |
| Not Applicable              | 1         | 9%  |
| Satisfied                   | 8         | 73% |
| <b>Total # of Responses</b> | <b>11</b> |     |

Natural Sciences Objective 5.) To demonstrate knowledge of the interdependence of science and technology and their influence on, and contribution to, modern culture.

|                             |           |     |
|-----------------------------|-----------|-----|
| Dissatisfied                | 1         | 9%  |
| Highly Satisfied            | 2         | 18% |
| Not Applicable              | 1         | 9%  |
| Satisfied                   | 7         | 64% |
| <b>Total # of Responses</b> | <b>11</b> |     |

**Question Category: 6 General Frank Phillips College Perspectives**

**Question Category: 6 General Frank Phillips College Perspectives**

General Perspective 1.) My instructor helped me to establish broad and multiple perspectives on the individual in relationship to the larger society and the world in which he or she lives and helped me understand the responsibilities of living in a culturally and ethnically diverse world.

|                             |           |     |
|-----------------------------|-----------|-----|
| Dissatisfied                | 1         | 9%  |
| Highly Satisfied            | 3         | 27% |
| Not Applicable              | 1         | 9%  |
| Satisfied                   | 6         | 55% |
| <b>Total # of Responses</b> | <b>11</b> |     |

General Perspective 2.) My instructor stimulated my capacity to discuss and reflect upon individual, political, economic, and social aspects of life in order to understand ways in which to be a responsible member of society.

|                             |           |     |
|-----------------------------|-----------|-----|
| Dissatisfied                | 1         | 9%  |
| Highly Satisfied            | 2         | 18% |
| Not Applicable              | 1         | 9%  |
| Satisfied                   | 7         | 64% |
| <b>Total # of Responses</b> | <b>11</b> |     |

General Perspective 3.) My instructor helped me recognize the importance of maintaining health and wellness.

|                             |           |     |
|-----------------------------|-----------|-----|
| Dissatisfied                | 1         | 9%  |
| Highly Satisfied            | 1         | 9%  |
| Not Applicable              | 1         | 9%  |
| Satisfied                   | 8         | 73% |
| <b>Total # of Responses</b> | <b>11</b> |     |

General Perspective 4.) My instructor helped me develop a capacity to use knowledge of how technology and science affect my life.

|                             |           |     |
|-----------------------------|-----------|-----|
| Dissatisfied                | 1         | 9%  |
| Highly Satisfied            | 3         | 27% |
| Not Applicable              | 1         | 9%  |
| Satisfied                   | 6         | 55% |
| <b>Total # of Responses</b> | <b>11</b> |     |

General Perspective 5.) My instructor helped me develop personal values for ethical behavior.

|                             |           |     |
|-----------------------------|-----------|-----|
| Dissatisfied                | 1         | 9%  |
| Highly Satisfied            | 2         | 18% |
| Not Applicable              | 1         | 9%  |
| Satisfied                   | 7         | 64% |
| <b>Total # of Responses</b> | <b>11</b> |     |

**Question Category: 6      General Frank Phillips College Perspectives**

General Perspective 6.) My instructor helped me develop the ability to make aesthetic judgments.

|                             |           |     |
|-----------------------------|-----------|-----|
| Dissatisfied                | 1         | 9%  |
| Highly Satisfied            | 1         | 9%  |
| Not Applicable              | 1         | 9%  |
| Satisfied                   | 8         | 73% |
| <b>Total # of Responses</b> | <b>11</b> |     |

General Perspective 7.) My instructor encouraged me to use logical reasoning in problem solving.

|                             |           |     |
|-----------------------------|-----------|-----|
| Dissatisfied                | 1         | 9%  |
| Highly Satisfied            | 3         | 27% |
| Not Applicable              | 1         | 9%  |
| Satisfied                   | 6         | 55% |
| <b>Total # of Responses</b> | <b>11</b> |     |

General Perspective 8.) My instructor integrated knowledge and helped me to understand the interrelationships of scholarly disciplines.

|                             |           |     |
|-----------------------------|-----------|-----|
| Dissatisfied                | 1         | 9%  |
| Highly Satisfied            | 2         | 18% |
| Not Applicable              | 1         | 9%  |
| Satisfied                   | 7         | 64% |
| <b>Total # of Responses</b> | <b>11</b> |     |

**Question Category: 7      Instructional & Faculty Related Questions**

The instructor tried to be fair and impartial with students.

|                             |           |     |
|-----------------------------|-----------|-----|
| Consistently                | 5         | 45% |
| Not Applicable              | 1         | 9%  |
| Rarely                      | 1         | 9%  |
| Usually                     | 4         | 36% |
| <b>Total # of Responses</b> | <b>11</b> |     |

The instructor tested in ways that permitted students to demonstrate what they have learned in class.

|                             |           |     |
|-----------------------------|-----------|-----|
| Consistently                | 4         | 36% |
| Not Applicable              | 1         | 9%  |
| Rarely                      | 1         | 9%  |
| Usually                     | 5         | 45% |
| <b>Total # of Responses</b> | <b>11</b> |     |

**Question Category: 7 Instructional & Faculty Related Questions**

The instructor scored tests/papers promptly and gave helpful feedback.

|                             |           |     |
|-----------------------------|-----------|-----|
| Consistently                | 3         | 27% |
| Never                       | 1         | 9%  |
| Not Applicable              | 1         | 9%  |
| Rarely                      | 2         | 18% |
| Usually                     | 4         | 36% |
| <b>Total # of Responses</b> | <b>11</b> |     |

The instructor made clear how the final course grade would be determined early in the semester.

|                             |           |     |
|-----------------------------|-----------|-----|
| No                          | 3         | 27% |
| Yes                         | 8         | 73% |
| <b>Total # of Responses</b> | <b>11</b> |     |

The instructor presented the subject matter effectively.

|                             |           |     |
|-----------------------------|-----------|-----|
| Consistently                | 4         | 36% |
| Not Applicable              | 1         | 9%  |
| Rarely                      | 1         | 9%  |
| Usually                     | 5         | 45% |
| <b>Total # of Responses</b> | <b>11</b> |     |

The instructor spoke clearly and could be understood.

|                             |           |     |
|-----------------------------|-----------|-----|
| Consistently                | 6         | 55% |
| Not Applicable              | 1         | 9%  |
| Rarely                      | 1         | 9%  |
| Usually                     | 3         | 27% |
| <b>Total # of Responses</b> | <b>11</b> |     |

The instructor made assignments clear.

|                             |           |     |
|-----------------------------|-----------|-----|
| Consistently                | 5         | 45% |
| Never                       | 1         | 9%  |
| Not Applicable              | 1         | 9%  |
| Rarely                      | 1         | 9%  |
| Usually                     | 3         | 27% |
| <b>Total # of Responses</b> | <b>11</b> |     |

**Question Category: 7 Instructional & Faculty Related Questions**

The instructor presented course objectives clearly.

|                             |           |     |
|-----------------------------|-----------|-----|
| Consistently                | 6         | 55% |
| Never                       | 1         | 9%  |
| Not Applicable              | 1         | 9%  |
| Rarely                      | 1         | 9%  |
| Usually                     | 2         | 18% |
| <b>Total # of Responses</b> | <b>11</b> |     |

The instructor followed a plan and sequence for the course.

|                             |           |     |
|-----------------------------|-----------|-----|
| Consistently                | 4         | 36% |
| Not Applicable              | 1         | 9%  |
| Rarely                      | 2         | 18% |
| Usually                     | 4         | 36% |
| <b>Total # of Responses</b> | <b>11</b> |     |

The instructor used class time effectively.

|                             |           |     |
|-----------------------------|-----------|-----|
| Consistently                | 4         | 36% |
| Not Applicable              | 1         | 9%  |
| Rarely                      | 2         | 18% |
| Usually                     | 4         | 36% |
| <b>Total # of Responses</b> | <b>11</b> |     |

The instructor brought material other than the textbook to the attention of students.

|                             |           |     |
|-----------------------------|-----------|-----|
| Consistently                | 5         | 45% |
| Not Applicable              | 1         | 9%  |
| Rarely                      | 1         | 9%  |
| Usually                     | 4         | 36% |
| <b>Total # of Responses</b> | <b>11</b> |     |

The instructor used a variety of teaching methods and teaching aids.

|                             |           |     |
|-----------------------------|-----------|-----|
| Consistently                | 5         | 45% |
| Not Applicable              | 1         | 9%  |
| Usually                     | 5         | 45% |
| <b>Total # of Responses</b> | <b>11</b> |     |

The instructor showed an interest in the student's progress.

|                             |           |     |
|-----------------------------|-----------|-----|
| Consistently                | 5         | 45% |
| Not Applicable              | 1         | 9%  |
| Usually                     | 5         | 45% |
| <b>Total # of Responses</b> | <b>11</b> |     |

**Question Category: 7 Instructional & Faculty Related Questions**

The instructor related, where applicable, significant current issues to the course material/subject.

|                             |           |     |
|-----------------------------|-----------|-----|
| Consistently                | 5         | 45% |
| Not Applicable              | 1         | 9%  |
| Rarely                      | 1         | 9%  |
| Usually                     | 4         | 36% |
| <b>Total # of Responses</b> | <b>11</b> |     |

The instructor kept class for the entire period.

|                             |           |     |
|-----------------------------|-----------|-----|
| Consistently                | 6         | 55% |
| Not Applicable              | 1         | 9%  |
| Usually                     | 4         | 36% |
| <b>Total # of Responses</b> | <b>11</b> |     |

The instructor encouraged student involvement in class discussions.

|                             |           |     |
|-----------------------------|-----------|-----|
| Consistently                | 5         | 45% |
| Not Applicable              | 1         | 9%  |
| Usually                     | 5         | 45% |
| <b>Total # of Responses</b> | <b>11</b> |     |

The instructor allowed free expression of opinion.

|                             |           |     |
|-----------------------------|-----------|-----|
| Consistently                | 5         | 45% |
| Not Applicable              | 1         | 9%  |
| Usually                     | 5         | 45% |
| <b>Total # of Responses</b> | <b>11</b> |     |

The instructor encouraged students to seek information in addition to test and classroom presentations.

|                             |           |     |
|-----------------------------|-----------|-----|
| Consistently                | 5         | 45% |
| Not Applicable              | 1         | 9%  |
| Usually                     | 5         | 45% |
| <b>Total # of Responses</b> | <b>11</b> |     |

By what means was the course syllabus made available to you?

|                             |           |     |
|-----------------------------|-----------|-----|
| CAMS Student Portal         | 7         | 64% |
| Did Not Receive a Syllabus  | 1         | 9%  |
| Hard Copy                   | 3         | 27% |
| <b>Total # of Responses</b> | <b>11</b> |     |

**Question Category: 7 Instructional & Faculty Related Questions**

The instructor was available during his/her posted office hours, where applicable, or was available by appointment when needed.

|                |   |     |
|----------------|---|-----|
| Consistently   | 4 | 36% |
| Not Applicable | 1 | 9%  |
| Usually        | 6 | 55% |

|                             |           |
|-----------------------------|-----------|
| <b>Total # of Responses</b> | <b>11</b> |
|-----------------------------|-----------|

**Question Category: 8 Specific Course Objectives**

Student Learning Outcome 1.) Demonstrate vocabulary mastery for microbiology by correct usage both in writing assignments and oral presentations.

|                                       |   |     |
|---------------------------------------|---|-----|
| Course Did Not Address This Objective | 1 | 9%  |
| Dissatisfied                          | 1 | 9%  |
| Highly Satisfied                      | 4 | 36% |
| Satisfied                             | 5 | 45% |

|                             |           |
|-----------------------------|-----------|
| <b>Total # of Responses</b> | <b>11</b> |
|-----------------------------|-----------|

Student Learning Outcome 2.) Define microbiology subdisciplines (parasitology, immunology, biotechnology, etc.); explain how they came about historically and currently relate to the scope of the subject.

|                                       |   |     |
|---------------------------------------|---|-----|
| Course Did Not Address This Objective | 1 | 9%  |
| Dissatisfied                          | 1 | 9%  |
| Highly Satisfied                      | 4 | 36% |
| Satisfied                             | 5 | 45% |

|                             |           |
|-----------------------------|-----------|
| <b>Total # of Responses</b> | <b>11</b> |
|-----------------------------|-----------|

Student Learning Outcome 3.) Identify and classify the differing groups of microbes; discuss the differences between classical vs. molecular approaches to taxonomy.

|                                       |   |     |
|---------------------------------------|---|-----|
| Course Did Not Address This Objective | 1 | 9%  |
| Dissatisfied                          | 1 | 9%  |
| Highly Satisfied                      | 3 | 27% |
| Satisfied                             | 6 | 55% |

|                             |           |
|-----------------------------|-----------|
| <b>Total # of Responses</b> | <b>11</b> |
|-----------------------------|-----------|

Student Learning Outcome 4.) Describe the metabolic and structural features of the groups of microorganisms.

|                                       |   |     |
|---------------------------------------|---|-----|
| Course Did Not Address This Objective | 1 | 9%  |
| Dissatisfied                          | 1 | 9%  |
| Highly Satisfied                      | 3 | 27% |
| Satisfied                             | 6 | 55% |

|                             |           |
|-----------------------------|-----------|
| <b>Total # of Responses</b> | <b>11</b> |
|-----------------------------|-----------|

**Question Category: 8      Specific Course Objectives**

Student Learning Outcome 5.) Demonstrate an understanding of microbial genetics and reproductive strategies.

|                                       |           |     |
|---------------------------------------|-----------|-----|
| Course Did Not Address This Objective | 1         | 9%  |
| Dissatisfied                          | 1         | 9%  |
| Highly Satisfied                      | 2         | 18% |
| Satisfied                             | 7         | 64% |
| <b>Total # of Responses</b>           | <b>11</b> |     |

Student Learning Outcome 6.) Explain the necessity for and methods used in controlling the growth of microbes.

|                                       |           |     |
|---------------------------------------|-----------|-----|
| Course Did Not Address This Objective | 1         | 9%  |
| Dissatisfied                          | 1         | 9%  |
| Highly Satisfied                      | 3         | 27% |
| Satisfied                             | 6         | 55% |
| <b>Total # of Responses</b>           | <b>11</b> |     |

Student Learning Outcome 7.) List and define different kinds of biological associations; delineate the host-microbe relationship.

|                                       |           |     |
|---------------------------------------|-----------|-----|
| Course Did Not Address This Objective | 1         | 9%  |
| Dissatisfied                          | 1         | 9%  |
| Highly Satisfied                      | 3         | 27% |
| Satisfied                             | 6         | 55% |
| <b>Total # of Responses</b>           | <b>11</b> |     |

Student Learning Outcome 8.) Evaluate medical significance of categories of microbes; discuss the impact of specific human associated diseases and relevant immunological responses.

|                                       |           |     |
|---------------------------------------|-----------|-----|
| Course Did Not Address This Objective | 1         | 9%  |
| Dissatisfied                          | 1         | 9%  |
| Highly Satisfied                      | 2         | 18% |
| Satisfied                             | 7         | 64% |
| <b>Total # of Responses</b>           | <b>11</b> |     |

Student Learning Outcome 9.) Discuss environmental impact of microbes; explain importance of microbes in the biosphere.

|                                       |           |     |
|---------------------------------------|-----------|-----|
| Course Did Not Address This Objective | 1         | 9%  |
| Dissatisfied                          | 1         | 9%  |
| Highly Satisfied                      | 2         | 18% |
| Satisfied                             | 7         | 64% |
| <b>Total # of Responses</b>           | <b>11</b> |     |

**Question Category: 8      Specific Course Objectives**

Student Learning Outcome 10.) Apply scientific method; effectively use basic laboratory techniques used to study microbes.

|                                       |           |     |
|---------------------------------------|-----------|-----|
| Course Did Not Address This Objective | 1         | 9%  |
| Dissatisfied                          | 1         | 9%  |
| Highly Satisfied                      | 3         | 27% |
| Satisfied                             | 6         | 55% |
| <b>Total # of Responses</b>           | <b>11</b> |     |

Student Learning Outcome 11.) Effectively present research related to a topic in microbiology.

|                                       |           |     |
|---------------------------------------|-----------|-----|
| Course Did Not Address This Objective | 1         | 9%  |
| Dissatisfied                          | 1         | 9%  |
| Highly Satisfied                      | 3         | 27% |
| Satisfied                             | 6         | 55% |
| <b>Total # of Responses</b>           | <b>11</b> |     |

**Question Category: 11      Comments**

Please provide your comments about this course; e.g., instructor's strengths and/or suggestions for improvements or any other classroom concerns.

- good
- great
- Ms. Morris and I have talked on several occasions throughout the year. Although I kind of went through a rough period, Ms Morris talked with me and was very open to what I said. I think she is a wonderful person and dedicated professor that truly cares about her students, and is very enthusiastic about the subject. She is going through some curriculum changes that I am confident she will ultimately conquer, and ultimately her students are going to benefit greatly.
- n/a
- Na
- no
- No improvement needed
- None
- smartest lady I've ever met
- thanks for an interesting semester

Do you have additional comments that you would like to share about other services on campus?

- good
- great
- n/a
- na
- no
- no comment
- None

Fall 2009

Frank Phillips College  
Student Course Evaluation Results

MAIN Session

Morris, Gina Marie

BIOL 2421 - Microbiology

| Class Sections Included in Course Evaluations |              | Fall 2009      |          |                   |                       |
|---|--------------|----------------|----------|-------------------|-----------------------|
| Instructor: Morris, Gina Marie                |              | Survey ID: 176 |          |                   |                       |
| BIOL 2421 - 01 - Lec                          | Microbiology | F              | 11:20 am | 2:30 pm           | <u>Enrolled</u><br>10 |
| Total # Classes: 1                            |              |                |          | Total Enrollment: | 10                    |