



SAINT LOUIS  
UNIVERSITY

# Course Evaluation Report for SP2019 CHEM-5440-01- Bioorganic Chemistry (Paul Bracher) - Spring 2019

Project Title: **A&S Course Evaluations**

Course Audience: **11**

Responses Received: **6**

Response Rate: **54.55%**

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Creation Date: **Sunday, May 26, 2019**

## Interpretation Guidelines

Within this report instructors can view the aggregate of all student responses to Likert scale or multiple choice questions and individual responses to short answer questions.

### I took this course (check all that apply)...

| Options  | Count |
|--|-------|
| to meet a requirement of an undergraduate academic major or minor                          | 0     |
| to meet a requirement of a graduate/professional program or minor                          | 4     |
| to meet an undergraduate core/general education requirement                                | 0     |
| as an elective (not part of any major/minor/program or core/general education requirement) | 2     |
| I really like bioorganic chemistry.  | 1     |

### Questions about the Student (agree)

Level of Agreement

| 1. I believe my academic background was sufficient to succeed in this course. |       |            | 2. The subject matter of this course was of interest to me before the course began. |       |            |
|---|-------|------------|---|-------|------------|
| Options   | Count | Percentage | Options   | Count | Percentage |
| Strongly agree (4)  | 3     | 50.00%     | Strongly agree (4)  | 4     | 66.67%     |
| Agree (3)   | 3     | 50.00%     | Agree (3)   | 2     | 33.33%     |
| Disagree (2)  | 0     | 0.00%      | Disagree (2)  | 0     | 0.00%      |
| Strongly Disagree (1)   | 0     | 0.00%      | Strongly Disagree (1)   | 0     | 0.00%      |
| Statistics  |       | Value      | Statistics  |       | Value      |
| Response Count  |       | 6          | Response Count  |       | 6          |
| Mean  |       | 3.50       | Mean  |       | 3.67       |
| Median  |       | 3.50       | Median  |       | 4.00       |

### Questions about the Student (agree) (Comments)

Level of Agreement

|  |
|--|
| I believe my academic background was sufficient to succeed in this course.       |
| <b>Comment</b>   |
| [No Response]  |
| The subject matter of this course was of interest to me before the course began. |
| <b>Comment</b>   |
| - I loved this material and everything taught in it.                             |

### Questions about the Student (Dept & College Averages)

| Question   | Your Score     |      |        | Department (Chemistry) |      |        | College (College of Arts & Sciences) |      |        |
|--|----------------|------|--------|------------------------|------|--------|--------------------------------------|------|--------|
|  | Response Count | Mean | Median | Response Count         | Mean | Median | Response Count                       | Mean | Median |
| I believe my academic background was sufficient to succeed in this course.       | 6              | 3.50 | 3.50   | 1134                   | 3.40 | 3.00   | 10944                                | 3.57 | 4.00   |
| The subject matter of this course was of interest to me before the course began. | 6              | 3.67 | 4.00   | 1134                   | 3.13 | 3.00   | 10944                                | 3.32 | 4.00   |

**Questions about the Student (frequency)**

Frequency

| 1. I came to each class session prepared.            |       |            | 2. I invested enough time and energy to meet the course requirements. |       |            |
|--|-------|------------|---|-------|------------|
| Options  | Count | Percentage | Options   | Count | Percentage |
| Always (4)   | 3     | 50.00%     | Always (4)  | 5     | 83.33%     |
| Often (3)  | 3     | 50.00%     | Often (3)   | 1     | 16.67%     |
| Sometimes (2)  | 0     | 0.00%      | Sometimes (2)   | 0     | 0.00%      |
| Never (1)  | 0     | 0.00%      | Never (1)   | 0     | 0.00%      |
| Statistics   |       | Value      | Statistics  |       | Value      |
| Response Count                                       |       | 6          | Response Count  |       | 6          |
| Mean   |       | 3.50       | Mean  |       | 3.83       |
| Median   |       | 3.50       | Median  |       | 4.00       |
| 3. I asked the instructor for help when I needed it. |       |            |   |       |            |
| Options  | Count | Percentage |   |       |            |
| Always (4)   | 2     | 33.33%     |   |       |            |
| Often (3)  | 3     | 50.00%     |   |       |            |
| Sometimes (2)  | 1     | 16.67%     |   |       |            |
| Never (1)  | 0     | 0.00%      |   |       |            |
| Statistics   |       | Value      |   |       |            |
| Response Count                                       |       | 6          |   |       |            |
| Mean   |       | 3.17       |   |       |            |
| Median   |       | 3.00       |   |       |            |

### Questions about the Student (frequency) (Comments)

Frequency

|  |
|--|
| I came to each class session prepared.                             |
| Comment  |
| [No Response]  |
| I invested enough time and energy to meet the course requirements. |
| Comment  |
| [No Response]  |
| I asked the instructor for help when I needed it.                  |
| Comment  |
| [No Response]  |

### Questions about the Student (Dept & College Averages)

| Question   | Your Score     |      |        | Department (Chemistry) |      |        | College (College of Arts & Sciences) |      |        |
|--|----------------|------|--------|------------------------|------|--------|--------------------------------------|------|--------|
|  | Response Count | Mean | Median | Response Count         | Mean | Median | Response Count                       | Mean | Median |
| I came to each class session prepared.                             | 6              | 3.50 | 3.50   | 1134                   | 3.51 | 4.00   | 10944                                | 3.49 | 4.00   |
| I invested enough time and energy to meet the course requirements. | 6              | 3.83 | 4.00   | 1134                   | 3.55 | 4.00   | 10944                                | 3.60 | 4.00   |
| I asked the instructor for help when I needed it.                  | 6              | 3.17 | 3.00   | 1134                   | 3.21 | 4.00   | 10944                                | 3.37 | 4.00   |

### Questions about the Course

| 1. Expected learning outcomes for the course were clearly communicated. |       |            | 2. The required textbook(s)/readings supported my learning in the course. |       |            |
|---|-------|------------|---|-------|------------|
| Options   | Count | Percentage | Options   | Count | Percentage |
| Strongly Agree (4)  | 6     | 100.00%    | Strongly Agree (4)  | 5     | 83.33%     |
| Agree (3)   | 0     | 0.00%      | Agree (3)   | 1     | 16.67%     |
| Disagree (2)  | 0     | 0.00%      | Disagree (2)  | 0     | 0.00%      |
| Strongly Disagree (1)   | 0     | 0.00%      | Strongly Disagree (1)   | 0     | 0.00%      |
| Not Applicable  | 0     | 0.00%      | Not Applicable  | 0     | 0.00%      |
| Statistics  | Value |            | Statistics  | Value |            |
| Response Count  | 6     |            | Response Count  | 6     |            |
| Mean  | 4.00  |            | Mean  | 3.83  |            |
| Median  | 4.00  |            | Median  | 4.00  |            |

| 3. Class discussions/activities supported my learning in the course. |       |            | 4. Assignments/homework supported my learning in the course.     |       |            |
|--|-------|------------|--|-------|------------|
| Options  | Count | Percentage | Options  | Count | Percentage |
| Strongly Agree (4)   | 6     | 100.00%    | Strongly Agree (4)   | 6     | 100.00%    |
| Agree (3)  | 0     | 0.00%      | Agree (3)  | 0     | 0.00%      |
| Disagree (2)   | 0     | 0.00%      | Disagree (2)   | 0     | 0.00%      |
| Strongly Disagree (1)  | 0     | 0.00%      | Strongly Disagree (1)  | 0     | 0.00%      |
| Not Applicable   | 0     | 0.00%      | Not Applicable   | 0     | 0.00%      |
| Statistics   | Value |            | Statistics   | Value |            |
| Response Count   | 6     |            | Response Count   | 6     |            |
| Mean   | 4.00  |            | Mean   | 4.00  |            |
| Median   | 4.00  |            | Median   | 4.00  |            |
| 5. Exams/quizzes supported my learning in the course.                |       |            | 6. The multimedia resources supported my learning in the course. |       |            |
| Options  | Count | Percentage | Options  | Count | Percentage |
| Strongly Agree (4)   | 6     | 100.00%    | Strongly Agree (4)   | 5     | 83.33%     |
| Agree (3)  | 0     | 0.00%      | Agree (3)  | 1     | 16.67%     |
| Disagree (2)   | 0     | 0.00%      | Disagree (2)   | 0     | 0.00%      |
| Strongly Disagree (1)  | 0     | 0.00%      | Strongly Disagree (1)  | 0     | 0.00%      |
| Not Applicable   | 0     | 0.00%      | Not Applicable   | 0     | 0.00%      |
| Statistics   | Value |            | Statistics   | Value |            |
| Response Count   | 6     |            | Response Count   | 6     |            |
| Mean   | 4.00  |            | Mean   | 3.83  |            |
| Median   | 4.00  |            | Median   | 4.00  |            |
| 7. The course was taught at a pace that supported my learning.       |       |            | 8. The course required me to apply what I learned in new ways.   |       |            |
| Options  | Count | Percentage | Options  | Count | Percentage |
| Strongly Agree (4)   | 6     | 100.00%    | Strongly Agree (4)   | 6     | 100.00%    |
| Agree (3)  | 0     | 0.00%      | Agree (3)  | 0     | 0.00%      |
| Disagree (2)   | 0     | 0.00%      | Disagree (2)   | 0     | 0.00%      |
| Strongly Disagree (1)  | 0     | 0.00%      | Strongly Disagree (1)  | 0     | 0.00%      |
| Not Applicable   | 0     | 0.00%      | Not Applicable   | 0     | 0.00%      |
| Statistics   | Value |            | Statistics   | Value |            |
| Response Count   | 6     |            | Response Count   | 6     |            |
| Mean   | 4.00  |            | Mean   | 4.00  |            |
| Median   | 4.00  |            | Median   | 4.00  |            |

**Questions about the Course (continued)**

| 9. The course challenged me intellectually. |       |            |
|---|-------|------------|
| Options                                     | Count | Percentage |
| Strongly Agree<br>(4)                       | 6     | 100.00%    |
| Agree<br>(3)                                | 0     | 0.00%      |
| Disagree<br>(2)                             | 0     | 0.00%      |
| Strongly Disagree<br>(1)                    | 0     | 0.00%      |
| Not Applicable                              | 0     | 0.00%      |
| Statistics                                  | Value |            |
| Response Count                              | 6     |            |
| Mean  | 4.00  |            |
| Median                                      | 4.00  |            |

**Questions about the Course (Comments)**

|  |
|--|
| Expected learning outcomes for the course were clearly communicated.   |
| Comment  |
| [No Response]  |
| The required textbook(s)/readings supported my learning in the course. |
| Comment  |
| [No Response]  |
| Class discussions/activities supported my learning in the course.      |
| Comment  |
| [No Response]  |
| Assignments/homework supported my learning in the course.              |
| Comment  |
| [No Response]  |
| Exams/quizzes supported my learning in the course.                     |
| Comment  |
| [No Response]  |
| The multimedia resources supported my learning in the course.          |
| Comment  |
| - Love tegrity   |
| The course was taught at a pace that supported my learning.            |
| Comment  |
| [No Response]  |
| The course required me to apply what I learned in new ways.            |
| Comment  |
| [No Response]  |
| The course challenged me intellectually.                               |
| Comment  |
| [No Response]  |



**Questions about the Course (Dept & College Averages)**

| Question   | Your Score     |      |        | Department (Chemistry) |      |        | College (College of Arts & Sciences) |      |        |
|--|----------------|------|--------|------------------------|------|--------|--------------------------------------|------|--------|
|  | Response Count | Mean | Median | Response Count         | Mean | Median | Response Count                       | Mean | Median |
| Expected learning outcomes for the course were clearly communicated.   | 6              | 4.00 | 4.00   | 1129                   | 3.57 | 4.00   | 10918                                | 3.58 | 4.00   |
| The required textbook(s)/readings supported my learning in the course. | 6              | 3.83 | 4.00   | 1038                   | 3.35 | 4.00   | 10278                                | 3.43 | 4.00   |
| Class discussions/activities supported my learning in the course.      | 6              | 4.00 | 4.00   | 1104                   | 3.44 | 4.00   | 10777                                | 3.53 | 4.00   |
| Assignments/homework supported my learning in the course.              | 6              | 4.00 | 4.00   | 1083                   | 3.42 | 4.00   | 10587                                | 3.51 | 4.00   |
| Exams/quizzes supported my learning in the course.                     | 6              | 4.00 | 4.00   | 1028                   | 3.42 | 4.00   | 9587                                 | 3.50 | 4.00   |
| The multimedia resources supported my learning in the course.          | 6              | 3.83 | 4.00   | 1016                   | 3.44 | 4.00   | 9726                                 | 3.54 | 4.00   |
| The course was taught at a pace that supported my learning.            | 6              | 4.00 | 4.00   | 1117                   | 3.31 | 3.00   | 10871                                | 3.51 | 4.00   |
| The course required me to apply what I learned in new ways.            | 6              | 4.00 | 4.00   | 1127                   | 3.52 | 4.00   | 10868                                | 3.54 | 4.00   |
| The course challenged me intellectually.                               | 6              | 4.00 | 4.00   | 1127                   | 3.69 | 4.00   | 10882                                | 3.54 | 4.00   |

**What suggestions do you have for improving this course?**

| Comments   |
|--|
| More specific papers near the end of the semester. It helps to apply what you learn to what is currently out there.  |
| None really I thought it was well organized.   |
| This is hands down one of my favorite classes ever taken. Not only is the material really interesting, but it surveys this broad scope of reactions. I just wish more enzyme mechanisms were covered. Instead of there being such a stress placed on proteases, it would have been nice to novel mechanisms. Proteases and most of the enzymes studied in the topics given were taught in Biochemistry II as well. I just think case studies would be an interesting addition. |
| Post the notes earlier in the day so I have time to print them off before lecture.   |
| N/A  |

**Please offer any additional comments and/or suggestions you wish to share about the course:**

The system does not allow an instructor to connect ANY quantitative responses with an individual student. Unless a student identifies him or herself in the written comments, qualitative responses are similarly assured of confidentiality.

| Comments   |
|--|
| I wish we would have had more time to spend in the last module of the course about the origin of life stuff.   |
| I enjoyed Bioorganic class to a great extent. It helped me to understand the natural biological process. This course made me confident about natural biological processes which was super difficult for me before. I strongly recommend to take this class to every graduate and undergrad students. This class is also specialized in terms of applying chemistry knowledge in real life. |

**Questions about the Instructor Paul Bracher**

| 1. The instructor communicated ideas and information clearly. |       |            |
|---|-------|------------|
| Options   | Count | Percentage |
| Always (4)  | 6     | 100.00%    |
| Often (3)   | 0     | 0.00%      |
| Sometimes (2)   | 0     | 0.00%      |
| Never (1)   | 0     | 0.00%      |
| Statistics  |       | Value      |
| Response Count  | 6     |            |
| Mean  | 4.00  |            |
| Median  | 4.00  |            |

| 2. The instructor demonstrated enthusiasm for the subject matter. |       |            |
|---|-------|------------|
| Options   | Count | Percentage |
| Always (4)  | 6     | 100.00%    |
| Often (3)   | 0     | 0.00%      |
| Sometimes (2)   | 0     | 0.00%      |
| Never (1)   | 0     | 0.00%      |
| Statistics  |       | Value      |
| Response Count  | 6     |            |
| Mean  | 4.00  |            |
| Median  | 4.00  |            |

| 3. The instructor provided feedback/critique that helped me with subsequent work in the course. |       |            |
|---|-------|------------|
| Options   | Count | Percentage |
| Always (4)  | 6     | 100.00%    |
| Often (3)   | 0     | 0.00%      |
| Sometimes (2)   | 0     | 0.00%      |
| Never (1)   | 0     | 0.00%      |
| Statistics  |       | Value      |
| Response Count  | 6     |            |
| Mean  | 4.00  |            |
| Median  | 4.00  |            |

| 4. The instructor treated students with respect. |       |            |
|--|-------|------------|
| Options  | Count | Percentage |
| Always (4)                                       | 6     | 100.00%    |
| Often (3)  | 0     | 0.00%      |
| Sometimes (2)                                    | 0     | 0.00%      |
| Never (1)  | 0     | 0.00%      |
| Statistics                                       |       | Value      |
| Response Count                                   | 6     |            |
| Mean   | 4.00  |            |
| Median   | 4.00  |            |

| 5. The instructor was available for assistance when needed. |       |            |
|---|-------|------------|
| Options   | Count | Percentage |
| Always (4)  | 6     | 100.00%    |
| Often (3)   | 0     | 0.00%      |
| Sometimes (2)   | 0     | 0.00%      |
| Never (1)   | 0     | 0.00%      |
| Statistics  |       | Value      |
| Response Count  | 6     |            |
| Mean  | 4.00  |            |
| Median  | 4.00  |            |

**Questions about the Instructor Paul Bracher (Comments)**

|  |
|--|
| The instructor communicated ideas and information clearly.                                   |
| Comment  |
| [No Response]  |
| The instructor demonstrated enthusiasm for the subject matter.                               |
| Comment  |
| [No Response]  |
| The instructor provided feedback/critique that helped me with subsequent work in the course. |
| Comment  |
| [No Response]  |
| The instructor treated students with respect.  |
| Comment  |
| [No Response]  |
| The instructor was available for assistance when needed.                                     |
| Comment  |
| [No Response]  |

**Questions about the Instructor (Dept & College Averages)**

| Question   | Your Score     |      |        | Department (Chemistry) |      |        | College (College of Arts & Sciences) |      |        |
|--|----------------|------|--------|------------------------|------|--------|--------------------------------------|------|--------|
|  | Response Count | Mean | Median | Response Count         | Mean | Median | Response Count                       | Mean | Median |
| The instructor communicated ideas and information clearly.                                   | 6              | 4.00 | 4.00   | 1455                   | 3.48 | 4.00   | 11838                                | 3.56 | 4.00   |
| The instructor demonstrated enthusiasm for the subject matter.                               | 6              | 4.00 | 4.00   | 1455                   | 3.54 | 4.00   | 11838                                | 3.75 | 4.00   |
| The instructor provided feedback/critique that helped me with subsequent work in the course. | 6              | 4.00 | 4.00   | 1455                   | 3.35 | 4.00   | 11838                                | 3.53 | 4.00   |
| The instructor treated students with respect.  | 6              | 4.00 | 4.00   | 1455                   | 3.63 | 4.00   | 11838                                | 3.79 | 4.00   |
| The instructor was available for assistance when needed.                                     | 6              | 4.00 | 4.00   | 1455                   | 3.54 | 4.00   | 11838                                | 3.69 | 4.00   |

**Please offer any additional comments and/or suggestions you wish to share about the instructor Paul Bracher:**

The system does not allow an instructor to connect ANY quantitative responses with an individual student. Unless a student identifies him or herself in the written comments, qualitative responses are similarly assured of confidentiality.

| Comments   |
|--|
| I really enjoyed taking his course. He is a great teacher.   |
| He has a very genuine love chemistry. It is contagious. It entices a greater interest and appreciation in the chemistry being presented. It is amazing to see Dr. Bracher teach. It is humbling. He really values learning overall. He is not strict with assignments or quizzes but his focus on the material is conveyed a hundred fold just from how much he cares about the students just learning. In the end that is what matters. The man is one of my role models. |
| Dr. Bracher is an excellent teacher. He truly cares about the students. He carefully explains things and never makes the student feel stupid no matter how basic the question. He creates a safe place for learning in the classroom where it's ok to try new problems in front of others and make a mistake. He sees it as a learning opportunity for all. He also answers email questions throughout the week. Thank you!  |
| Dr. Bracher is demonstrated mastery in bioorganic chemistry. The way he teaches is excellent cause he explains everything in a lucid way. I really enjoyed his lectures especially his lecture slides were awesome..!! I wish I could take more classes of Dr. Bracher cause I dont have any coursework left. He was very sincere in the class to make sure everyone understands. Thank you very much Dr. Bracher..!!  |