

Evaluation Data Sheet

FALL 2013

Course #: 0022 F

Instructor(s): Sarah Rugheimer

Title: Life on Earth and Beyond

	prev courses (incl this)	C1	C2	C3	C4	C5	C6	Course overall	I1	I2	I3	I4	I5	I6	I7 Instructor overall
1	—	5	5	5	5	5	5		5	5	5	5	5	5	5
2	3	4	4	3.5	4	5	4		3.5	5	4	4	5	5	4.5
3	2	5	5	5	5	5	5		5	5	5	5	5	5	5
4	1	5	5	5	4	5	4		5	5	5	5	5	5	5
5	2	5	5	5	5	5	4		4	5	5	4	4	5	5
6	1	5	4	3.5	5	4	4.5		4	4	4	4	5	4	5
7	3	4	5	5	5	4	4		4	—	4	4	5	4	5
8	1	5	5	4	4	5	4		4	5	5	5	4	5	5
9	1	5	5	5	4	5	3		4	4	5	4	5	5	5
10	1	5	4	4	4	4	4		5	5	5	5	5	5	5
11	2	5	5	4	4	5	4		3	5	4	4	5	5	5
12	4	5	3	4	3	5	4		5	5	5	5	5	5	5
13	1	4	3	4	5	4	4		5	5	3	4	5	5	5
14	1	5	4	3	5	4	4		3	5	5	5	5	5	5
15	—	5	4	4	4	4	2		5	5	5	5	5	5	5
16	1	5	5	5	4	5	3		5	5	5	5	5	5	5
17	—	5	5	5	5	5	5		5	5	5	5	5	5	5
18	3	5	5	4	5	5	5		5	5	5	5	5	5	5
19	2	5	5	5	5	5	5		5	5	5	5	5	5	5
20															

Course Average: _____

Instructor Average: 4.97

Filled Out/Registered 119

Evaluation Data Sheet

C7. In what ways has this course made you think differently or more deeply? Please provide examples.

- Thinking how all life is related on Earth, but how we're not alone
- Intro to all aspects of astrobiology & tied in academic knowledge w/ historical info
- Organized & engaging
- Challenged the way I approach scientific discussion

C8. What aspects of this course worked best to facilitate your learning?

- Interactive, interesting lectures, & fun projects
- Professor was accessible
- Lessons were extremely engaging
- Discussions! !!!
- Facilitating sense of community in classroom
- Covered a lot of material in various aspects to learn from
- Hands on activities

C9. What suggestions do you have for improving this course?

- Introduction on how to read academic papers
- Less readings, easier quizzes
- Alter quiz structure of grading

18. Please provide any additional comments regarding the instructor.

- Inspired by Sarah, she truly cares about the class !!!
- Extremely passionate
- Most engaging, fair, and inspirational instructor of all Tufts career (Senior)
- Extremely enthusiastic & knowledge
- Very responsive
- Positive & personable

Please provide any additional comments regarding the Experimental College.

- Most interesting & best EX College course I've ever taken @ The EX College
- OFFER THIS COURSE AGAIN!

EXPERIMENTAL COLLEGE STUDENT COURSE EVALUATIONS
Fall 2013

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Course Questions

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5. ExCollege courses are intended to be participatory and interactive in nature, not lecture format where the flow of information is one way – from instructor to student. How interactive was this course?
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(5) Extremely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
7. In what ways has this course made you think differently or more deeply? Please provide examples.

So many ways! Thinking how all life is related ~~over~~ on earth but we may not be alone. How science interacts w/ public policy. Not everything has an answer and all "evidence" should be

8. What aspects of this course worked best to facilitate your learning?

Interactive!
professor was very accessible and friendly
I felt comfortable discussing difficult topics.

questioned & extraordinary
claims require extraordinary
evidence.

9. What suggestions do you have for improving this course?

~~What~~ I would like to have an introduction to how to read academic papers. I had read them before but I think there are some good strategies to getting better.

Instructor Questions

1. How would you rate the instructor's organization of each class?
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8. Please provide any additional comments regarding the instructor.

For how little we have known each other, I am already inspired by Sarah. I have so much respect and she ~~truly~~ truly cares about the class/our learning.

Please provide any additional comments regarding the Experimental College.

~~She~~ I have taken several classes in the Ex college and this is by far the best and most interesting class. Even interesting material isn't enough and learning such an incredible professor pushed the class above and beyond. I was challenged by the readings/class but didn't stress too much about my grade and allowed me to delve into the material. Fantastic class!

Course # EXP 22 Course Name Life on Earth and beyond
Instructor A. Pugheanes How many Ex College courses have you taken (including this course)?

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7. In what ways has this course made you think differently or more deeply? Please provide examples.

She introduced us to all aspects of astrobiology and tied in academic knowledge, historical info as well as current news. She always has outside information and engrained the idea of shifting paradigms and general life knowledge & skills

8. What aspects of this course worked best to facilitate your learning?
She made the lessons extremely engaging and tied in tons of "general life knowledge" that she wanted us to know. The three hours went by very quickly with great discussions, interesting lectures, and fun projects. (Public Speaking too)

9. What suggestions do you have for improving this course?

It would be good to have a list/structure of things that she'll talk about every lesson. ~~She~~ is definitely all over the place in a very fun but confusing way. Her class is

Instructor Questions

- lots of material, little organization!*
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 8. Please provide any additional comments regarding the instructor.

She's extremely passionate, and one of the kindest instructors I've ever encountered. It's clear she is very excited about teaching and sharing not only

Please provide any additional comments regarding the Experimental College.

Course # 22 Course Name Life On Earth & Beyond
Instructor Sarah Bugheimer How many Ex College courses have you taken (including this course)? 3

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7. In what ways has this course made you think differently or more deeply? Please provide examples.

This course has completely changed how I view my existence in the context of Earth and our universe. Her presentations were organized, engaging, and satisfied my curiosity about many of life's important questions such as, "Are We Alone in the Universe?" I feel like I have an improved capacity for thinking about complex issues.

8. What aspects of this course worked best to facilitate your learning?

many aspects:

1. Organized engaging presentations

2. Interesting topic of study

3. Group discussions

4. Group projects

5. Facilitating a sense of community in the classroom

9. What suggestions do you have for improving this course?

Cannot think of any at the moment.

Instructor Questions

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8. Please provide any additional comments regarding the instructor.

As a senior who has taken upwards of 30 classes at Tufts, Sarah has been the most engaging, fair, and inspirational instructor I have had. She comes to class on-time and extremely prepared each week, and finds ways to make each class exciting and interesting.

Please provide any additional comments regarding the Experimental College.

This includes group discussions, fun group projects, and instilling a sense of community throughout the classroom. I have made more friends in this class than any other, and credit goes to Sarah for facilitating a friendly, safe atmosphere. Keeping students engaged for two and a half hours isn't easy, but Sarah does it every week with a smile. This has been my favorite class at Tufts, and I have learned more in this class than any other class at Tufts.

Course # 22 Course Name Life on Earth and Beyond
Instructor Sarah Rughier How many Ex College courses have you taken (including this course)? 2

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7. In what ways has this course made you think differently or more deeply? Please provide examples.

I really am not a big science person, but I felt like in this class I was really able to understand ~~complex~~ topics that normally confuse me. The class where we all each explained different ways life might have started was collaborative + fun + reinforced big concepts.

8. What aspects of this course worked best to facilitate your learning?

I really liked how the 2.5 hours of time was broken up into lectures, discussions, activities, etc. It's really hard to sit and only do one of these things for that long, but Sarah switched it up and made it really fun & engaging. We covered a lot of material and did fun little things that caught her/our interest which were a really great addition.

9. What suggestions do you have for improving this course?

Not anything wise at all. ~~that~~ I was not a huge fan of the debate we did at the beginning of the semester, but other than that no big complaints.

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8. Please provide any additional comments regarding the instructor.

Sarah is so great and so is this class, she's so nice and really cares about her students. She is super fun and funny and really made Tuesday nights a blast. I'm really not great at science, but this class is a wonderful and interesting way to get the science requirement done. Plus Sarah is super awesome!

Course # 22 Course Name Life on Earth & Beyond

Instructor Sarah Roghemen How many Ex College courses have you taken (including this course)? 1

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7. In what ways has this course made you think differently or more deeply? Please provide examples.

There were lots of "nuggets" that I will remember and apply to my life at Tufts and beyond - such as the power poses and the imposter syndrome. I also learned how to evaluate claims about the origins of life and astrobiology and how to put new advancements into perspective.

8. What aspects of this course worked best to facilitate your learning?
The readings were engaging and not too technical while still very informative. I also really enjoyed the discussions + debate in class, which enabled learning about other peoples' viewpoints.
9. What suggestions do you have for improving this course?

Not many. I appreciate your efforts to improve general scientific literacy among the class and to dispel some misconceptions, but that took up a lot of time and wasn't necessarily the goal of the course.

Instructor Questions

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8. Please provide any additional comments regarding the instructor.

Sarah was extremely enthusiastic and knowledgeable. She had great advice and explained things well.

Please provide any additional comments regarding the Experimental College.

Thanks for providing a course that counts for a natural science credit - even though I didn't need it, I enjoyed having multiple perspectives from people of different disciplines.

Course # EXP-22 Course Name Life on Earth and Beyond

Instructor Sarah Rugheimer How many Ex College courses have you taken (including this course)? 2

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7. In what ways has this course made you think differently or more deeply? Please provide examples.

The combination of ethical values in addition to concrete astrobiology was wonderful. Moreover, looking at things like paradigms made me a more conscientious individual and active thinker in every day life. Thank you, I have

8. What aspects of this course worked best to facilitate your learning?
- group discussions
- hands on activities
learned about astrobiology and way more about life in general + being an active thinker.

9. What suggestions do you have for improving this course?
structure 3 hour block more efficiently; breaking the time up into distinct sections may allow us to better take advantage of meeting once a week

Instructor Questions

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Course # 22 Course Name life on earth + beyond
Instructor _____ How many Ex College courses have you taken (including this course)? 1

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(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
4. How would you rate the way the course engaged your interest?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
5. ExCollege courses are intended to be participatory and interactive in nature, not lecture format where the flow of information is one way - from instructor to student. How interactive was this course?
(5) Completely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
6. How significant has this course been in terms of your overall education at Tufts?
(5) Extremely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
7. In what ways has this course made you think differently or more deeply? Please provide examples.

I don't know if I can even create a full list - I feel like the class needs to be re-titled "Life on Earth and Beyond and Just general life advice".

What stuck with me the most was looking at science as a process - constantly discovering, proving, disproving, and reforming ideas - all with the complications of human error due to paradigms and

8. What aspects of this course worked best to facilitate your learning?

The in-class experiments like the red/black card and throwing/catching the ball with these prejudices. In terms of the astrobiology material, the in-class discussions and debates such as "what qualifies as life" helped me most with making the information stick.

9. What suggestions do you have for improving this course?

A lot of the times we didn't get to discuss some of the readings - maybe if we had more articles along with the book readings and we could dedicate 15 minutes or so to discussion about it.

Instructor Questions

1. How would you rate the instructor's organization of each class?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
2. How would you rate the instructor's success in explaining concepts and ideas?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
3. How would you rate the timeliness of the instructor's feedback on assignments, exams, and other work?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
4. How would you rate the usefulness of the instructor's feedback on assignments, exams, and other work?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
5. How would you rate the instructor's success in creating and maintaining an inclusive class, respectful of all students?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
6. How would you rate the instructor's communication with you outside of class?
(5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
7. How would you rate the instructor overall?
(5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
8. Please provide any additional comments regarding the instructor.

Sarah has been amazing this semester - she taught through many different activities (lectures, debates, discussions, projects, experiments, etc) that appealed to all types of learning. She went beyond just teaching a subject and tried to change her student's ~~own~~ perspectives and approach to the sciences and life.

Please provide any additional comments regarding the Experimental College.

I had to take 3 courses this semester - Chemistry out, Genetics, and Spanish - which frankly were just to satisfy requirements. I'll use the basic information from these courses for future courses, but I won't remember much of anything else about them. The three Ex courses I have taken - moving from "Diversity" to Social Justice, Rape Aggression Defense, and Life on Earth and Beyond - provided me with information and perspectives that I will carry for the rest of my life. Not only that, but I feel that I really got to know my fellow students in the classes and will continue to stay in touch for the rest of my Tufts experience and even beyond.

Course # 22 Course Name Life on Earth & Beyond
Instructor Sarah Rughmer How many Ex College courses have you taken (including this course)? 3

EXPERIMENTAL COLLEGE STUDENT COURSE EVALUATIONS
Fall 2013

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Course Questions

1. How would you rate the success of the course in accomplishing its objectives as stated on the course syllabus?
 (5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
2. How would you rate the use of class time (lectures, discussions, demonstrations, activities, etc.) to promote your learning?
 (5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
3. How would you rate the use of out-of-class activities (reading assignments, homework, papers, projects, etc.) to promote your learning?
 (5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
4. How would you rate the way the course engaged your interest?
 (5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
5. ExCollege courses are intended to be participatory and interactive in nature, not lecture format where the flow of information is one way – from instructor to student. How interactive was this course?
 (5) Completely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
6. How significant has this course been in terms of your overall education at Tufts?
 (5) Extremely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
7. In what ways has this course made you think differently or more deeply? Please provide examples.
By broadening views on space life, astrobiology, society & other life important-based views.
8. What aspects of this course worked best to facilitate your learning?
Class discussions, instructor very knowledgeable of all material covered.
9. What suggestions do you have for improving this course?
Less reading, earlier quizzes.

Instructor Questions

1. How would you rate the instructor's organization of each class?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
2. How would you rate the instructor's success in explaining concepts and ideas?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
3. How would you rate the timeliness of the instructor's feedback on assignments, exams, and other work?
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(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
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6. How would you rate the instructor's communication with you outside of class?
(5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
7. How would you rate the instructor overall?
(5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
8. Please provide any additional comments regarding the instructor.

Amazing! very responsive, helpful & knowledgeable

Please provide any additional comments regarding the Experimental College.

Very interesting department, never vid of it!

Course # EXP-022 Course Name Life on Earth & Beyond
Instructor Rugheimer How many Ex College courses have you taken (including this course)? 1

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Fall 2013

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Course Questions

1. How would you rate the success of the course in accomplishing its objectives as stated on the course syllabus?
 5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
2. How would you rate the use of class time (lectures, discussions, demonstrations, activities, etc.) to promote your learning?
 5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
3. How would you rate the use of out-of-class activities (reading assignments, homework, papers, projects, etc.) to promote your learning?
 5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
4. How would you rate the way the course engaged your interest?
(5) Excellent 4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
5. ExCollege courses are intended to be participatory and interactive in nature, not lecture format where the flow of information is one way – from instructor to student. How interactive was this course?
 5) Completely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
6. How significant has this course been in terms of your overall education at Tufts?
(5) Extremely (4) Very 3) Somewhat (2) Not very (1) Not at all () No answer
7. In what ways has this course made you think differently or more deeply? Please provide examples.

It has challenged the way I approach scientific discussion in the media and made me more deeply aware of the limits of my current paradigm of thinking. Especially when we talked about determining values

8. What aspects of this course worked best to facilitate your learning?

The paper topics and in class ~~and~~ activities were most mentally stimulating.

of the drake equation, ~~being~~ imaginative we were challenged to be imaginative.

9. What suggestions do you have for improving this course?

Maybe altering the weekly quiz structure of grading

Instructor Questions

1. How would you rate the instructor's organization of each class?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
2. How would you rate the instructor's success in explaining concepts and ideas?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
3. How would you rate the timeliness of the instructor's feedback on assignments, exams, and other work?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
4. How would you rate the usefulness of the instructor's feedback on assignments, exams, and other work?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
5. How would you rate the instructor's success in creating and maintaining an inclusive class, respectful of all students?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
6. How would you rate the instructor's communication with you outside of class?
(5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
7. How would you rate the instructor overall?
(5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
8. Please provide any additional comments regarding the instructor.

Positive, passionate and personable

Please provide any additional comments regarding the Experimental College.

Course # 22 Course Name Life on Earth and Beyond
Instructor Sarah Hugheimer How many Ex College courses have you taken (including this course)? 0

EXPERIMENTAL COLLEGE STUDENT COURSE EVALUATIONS
Fall 2013

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Course Questions

1. How would you rate the success of the course in accomplishing its objectives as stated on the course syllabus?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
2. How would you rate the use of class time (lectures, discussions, demonstrations, activities, etc.) to promote your learning?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
3. How would you rate the use of out-of-class activities (reading assignments, homework, papers, projects, etc.) to promote your learning?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
4. How would you rate the way the course engaged your interest?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
5. ExCollege courses are intended to be participatory and interactive in nature, not lecture format where the flow of information is one way - from instructor to student. How interactive was this course?
(5) Completely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
6. How significant has this course been in terms of your overall education at Tufts?
(5) Extremely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
7. In what ways has this course made you think differently or more deeply? Please provide examples.

Made me realize the importance of class strategy

8. What aspects of this course worked best to facilitate your learning?

Readings were very informative

9. What suggestions do you have for improving this course?

Instructor Questions

1. How would you rate the instructor's organization of each class?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
2. How would you rate the instructor's success in explaining concepts and ideas?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
3. How would you rate the timeliness of the instructor's feedback on assignments, exams, and other work?
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(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
5. How would you rate the instructor's success in creating and maintaining an inclusive class, respectful of all students?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
6. How would you rate the instructor's communication with you outside of class?
(5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
7. How would you rate the instructor overall?
(5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
8. Please provide any additional comments regarding the instructor.

She was great!!!

Please provide any additional comments regarding the Experimental College.

Course # 22-F Course Name Life on Earth & Beyond
Instructor Sarah Rughelmer How many Ex College courses have you taken (including this course)? 1

EXPERIMENTAL COLLEGE STUDENT COURSE EVALUATIONS
Fall 2013

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Course Questions

1. How would you rate the success of the course in accomplishing its objectives as stated on the course syllabus?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
2. How would you rate the use of class time (lectures, discussions, demonstrations, activities, etc.) to promote your learning?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
3. How would you rate the use of out-of-class activities (reading assignments, homework, papers, projects, etc.) to promote your learning?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
4. How would you rate the way the course engaged your interest?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
5. ExCollege courses are intended to be participatory and interactive in nature, not lecture format where the flow of information is one way - from instructor to student. How interactive was this course?
(5) Completely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
6. How significant has this course been in terms of your overall education at Tufts?
(5) Extremely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
7. In what ways has this course made you think differently or more deeply? Please provide examples.

Sarah shared a lot of her passion and knowledge. One very potent example was her emphasis on helping us recognize the paradigms we live with every day, whether in science, astrobiology more specifically, or

8. What aspects of this course worked best to facilitate your learning?

Class discussion, cool slides, and an engaging lecturer. from day to day.

9. What suggestions do you have for improving this course?

More focus in slide construction (though the tangents were always beneficial and/or cool)

Instructor Questions

1. How would you rate the instructor's organization of each class?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
2. How would you rate the instructor's success in explaining concepts and ideas?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
3. How would you rate the timeliness of the instructor's feedback on assignments, exams, and other work?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
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(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
5. How would you rate the instructor's success in creating and maintaining an inclusive class, respectful of all students?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
6. How would you rate the instructor's communication with you outside of class?
(5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
7. How would you rate the instructor overall?
(5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
8. Please provide any additional comments regarding the instructor.

Sarah is a great human being, whose talents should take her far in her field of study and in life more generally.

Please provide any additional comments regarding the Experimental College.

Course # EXP-0022-F Course Name Life on Earth and Beyond
Instructor Sarah Rughmeier How many Ex College courses have you taken (including this course)? 2

EXPERIMENTAL COLLEGE STUDENT COURSE EVALUATIONS
Fall 2013

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Course Questions

1. How would you rate the success of the course in accomplishing its objectives as stated on the course syllabus?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
2. How would you rate the use of class time (lectures, discussions, demonstrations, activities, etc.) to promote your learning?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
3. How would you rate the use of out-of-class activities (reading assignments, homework, papers, projects, etc.) to promote your learning?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
4. How would you rate the way the course engaged your interest?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
5. ExCollege courses are intended to be participatory and interactive in nature, not lecture format where the flow of information is one way – from instructor to student. How interactive was this course?
(5) Completely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
6. How significant has this course been in terms of your overall education at Tufts?
(5) Extremely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
7. In what ways has this course made you think differently or more deeply? Please provide examples.
I definitely had never thought of life beyond earth before & I enjoyed the multidisciplinary approach to class. Loved the life lessons about feminism & science, & about public speaking.
8. What aspects of this course worked best to facilitate your learning?
- Instructor ALWAYS available through email
- Sarah kept us updated on our grades constantly which allowed me to be more confident in material.
- Loved the use of visual media (videos, powerpoints etc.)
9. What suggestions do you have for improving this course?
Don't assign group projects for such a huge chunk of the grade. I would have preferred a book report instead.

Instructor Questions

1. How would you rate the instructor's organization of each class?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
2. How would you rate the instructor's success in explaining concepts and ideas?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
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5. How would you rate the instructor's success in creating and maintaining an inclusive class, respectful of all students?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
6. How would you rate the instructor's communication with you outside of class?
(5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
7. How would you rate the instructor overall?
(5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
8. Please provide any additional comments regarding the instructor.

Sarah is brilliant, open minded, funny and caring. I got sick & she understood that I couldn't do the quiz & rescheduled for me. She truly cares about her students & she is

Please provide any additional comments regarding the Experimental College. a fair grader.

- Sarah helped me out in many ways including developing useful science studying skills.

• Sarah's lecture on science & feminism was THE BEST!! always made class interesting

OFFER THIS COURSE AGAIN

IT WAS AWESOME!

Course # 22 Course Name Life, Beyond Earth

Instructor Sarah Rughmer How many Ex College courses have you taken (including this course)? 4

EXPERIMENTAL COLLEGE STUDENT COURSE EVALUATIONS
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Course Questions

1. How would you rate the success of the course in accomplishing its objectives as stated on the course syllabus?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
2. How would you rate the use of class time (lectures, discussions, demonstrations, activities, etc.) to promote your learning?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
3. How would you rate the use of out-of-class activities (reading assignments, homework, papers, projects, etc.) to promote your learning?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
4. How would you rate the way the course engaged your interest?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
5. ExCollege courses are intended to be participatory and interactive in nature, not lecture format where the flow of information is one way – from instructor to student. How interactive was this course?
(5) Completely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
6. How significant has this course been in terms of your overall education at Tufts?
(5) Extremely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
7. In what ways has this course made you think differently or more deeply? Please provide examples.

It made me appreciate all different disciplines of sciences!
Made me appreciate life and its complexity.

8. What aspects of this course worked best to facilitate your learning?

When lecture slides and her teaching reinforced my knowledge from reading.

9. What suggestions do you have for improving this course?

I would like to see more interactive activities or more media being shown.

Instructor Questions

1. How would you rate the instructor's organization of each class?
 (5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
2. How would you rate the instructor's success in explaining concepts and ideas?
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6. How would you rate the instructor's communication with you outside of class?
 (5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
7. How would you rate the instructor overall?
 (5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
8. Please provide any additional comments regarding the instructor.

Prof Surda has so much passion and life. She is enthusiastic to share her knowledge, and it has got me interested to learn more about astro-science.

Please provide any additional comments regarding the Experimental College.

N/A

Course # 22 Course Name Life on Earth and Beyond
Instructor Sarah Rogitenski How many Ex College courses have you taken (including this course)? 1

EXPERIMENTAL COLLEGE STUDENT COURSE EVALUATIONS
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Course Questions

1. How would you rate the success of the course in accomplishing its objectives as stated on the course syllabus?
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4. How would you rate the way the course engaged your interest?
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5. ExCollege courses are intended to be participatory and interactive in nature, not lecture format where the flow of information is one way – from instructor to student. How interactive was this course?
 (5) Completely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
6. How significant has this course been in terms of your overall education at Tufts?
 (5) Extremely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
7. In what ways has this course made you think differently or more deeply? Please provide examples.
We didn't just learn basic concepts of astrobiology, but we examined how they connect to other fields through our readings, class discussions, & papers. We also had discussions about broader concepts of life & how they relate to science.
8. What aspects of this course worked best to facilitate your learning?
Following up readings with discussions
Demonstrative & interactive learning
9. What suggestions do you have for improving this course?
A little less lecture-heavy, but the format really was fine.

Instructor Questions

1. How would you rate the instructor's organization of each class?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
2. How would you rate the instructor's success in explaining concepts and ideas?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
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4. How would you rate the usefulness of the instructor's feedback on assignments, exams, and other work?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
5. How would you rate the instructor's success in creating and maintaining an inclusive class, respectful of all students?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
6. How would you rate the instructor's communication with you outside of class?
(5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
7. How would you rate the instructor overall?
(5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
8. Please provide any additional comments regarding the instructor.

Sarah is fun & engaging, & always encouraging us to question our own beliefs & societal paradigms.

Please provide any additional comments regarding the Experimental College.

Course # Exp-22-E Course Name Life on Earth & Beyond
Instructor Rugheimer How many Ex College courses have you taken (including this course)? 1

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Fall 2013

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Course Questions

1. How would you rate the success of the course in accomplishing its objectives as stated on the course syllabus?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
2. How would you rate the use of class time (lectures, discussions, demonstrations, activities, etc.) to promote your learning?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
3. How would you rate the use of out-of-class activities (reading assignments, homework, papers, projects, etc.) to promote your learning?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
4. How would you rate the way the course engaged your interest?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
5. ExCollege courses are intended to be participatory and interactive in nature, not lecture format where the flow of information is one way from instructor to student. How interactive was this course?
(5) Completely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
6. How significant has this course been in terms of your overall education at Tufts?
(5) Extremely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
7. In what ways has this course made you think differently or more deeply? Please provide examples.

It has made me think about ideas and phenomena in ways that had not been available to me before.

8. What aspects of this course worked best to facilitate your learning?

The interactive parts

9. What suggestions do you have for improving this course?

Our time in class was very limited, but it was hard to follow at times because of information density

Instructor Questions

1. How would you rate the instructor's organization of each class?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
2. How would you rate the instructor's success in explaining concepts and ideas?
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6. How would you rate the instructor's communication with you outside of class?
(5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
7. How would you rate the instructor overall?
(5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
8. Please provide any additional comments regarding the instructor.

Please provide any additional comments regarding the Experimental College.

Maybe ~~the~~ break up class times?

~~6:30 - 9:00~~ 6:30 - 9:00 is hard

Course # _____ Course Name _____

Instructor _____ How many Ex College courses have you taken (including this course)? _____

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Course Questions

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4. How would you rate the way the course engaged your interest?
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6. How significant has this course been in terms of your overall education at Tufts?
 (5) Extremely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
7. In what ways has this course made you think differently or more deeply? Please provide examples.

This is a subject I didn't know a bit about but I really learned a lot. I ~~was~~ loved all of the thought experiments to challenge the paradigms
8. What aspects of this course worked best to facilitate your learning?

I liked that we were forced to do the reading via the quizzes to have a more sophisticated discussion in class.
9. What suggestions do you have for improving this course?

None!

Instructor Questions

1. How would you rate the instructor's organization of each class?
 (5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
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6. How would you rate the instructor's communication with you outside of class?
 (5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
7. How would you rate the instructor overall?
 (5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
8. Please provide any additional comments regarding the instructor.

Sarah is awesome, I'm so glad I took this class.

She's going to be a great professor, I'm glad ~~she~~ I got to meet & interact with her for this short time.

More science & class offerings!

(I'm a ~~second~~ physics major & the ~~many~~ ^{the} classes don't often appeal to my major interests like this one did)

Course # 22-F Course Name Life on Earth & Beyond

Instructor Sarah Righermer How many Ex College courses have you taken (including this course)? 1

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Course Questions

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2. How would you rate the use of class time (lectures, discussions, demonstrations, activities, etc.) to promote your learning?
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3. How would you rate the use of out-of-class activities (reading assignments, homework, papers, projects, etc.) to promote your learning?
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 (5) Completely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
6. How significant has this course been in terms of your overall education at Tufts?
 (5) Extremely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
7. In what ways has this course made you think differently or more deeply? Please provide examples.

both in the scientific inquiries and the related interpersonal anecdotes.

8. What aspects of this course worked best to facilitate your learning?

the reading quizzes and lectures

9. What suggestions do you have for improving this course?

to limit the scope of what each lecture will cover

Instructor Questions

1. How would you rate the instructor's organization of each class?
 (5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
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6. How would you rate the instructor's communication with you outside of class?
 (5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
7. How would you rate the instructor overall?
 (5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
8. Please provide any additional comments regarding the instructor.

Sarah is wonderful and cares deeply for her students.

Please provide any additional comments regarding the Experimental College.

I've never taken a class that applied to both the least and most relevant aspects of my life - and I mean that in a good way.

Course # _____ Course Name LIFE ON EARTH AND BEYOND

Instructor SARAH RÜBHEIMER How many Ex College courses have you taken (including this course)? _____

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Fall 2013

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Course Questions

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3. How would you rate the use of out-of-class activities (reading assignments, homework, papers, projects, etc.) to promote your learning?
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6. How significant has this course been in terms of your overall education at Tufts?
(5) Extremely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
7. In what ways has this course made you think differently or more deeply? Please provide examples.

It has introduced me to many theories and paradigms I didn't know previously

8. What aspects of this course worked best to facilitate your learning?

I liked that it was very interactive and engaged us. Our activities always complimented the lecture.

9. What suggestions do you have for improving this course?

Maybe have a list of topics at the beginning of the course we can choose from. Some topics were dry, but all interesting

Instructor Questions

1. How would you rate the instructor's organization of each class?
 (5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
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7. How would you rate the instructor overall?
 (5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
8. Please provide any additional comments regarding the instructor.

She is a great person and excellent profesoo-

Please provide any additional comments regarding the Experimental College.

Course # 22 - F Course Name 4 Life on Earth and Beyond
~~Original Life Beyond~~
Instructor Sara Bughione - How many Ex College courses have you taken (including this course)? 3

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Course Questions

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6. How significant has this course been in terms of your overall education at Tufts?
(5) Extremely (4) Very (3) Somewhat (2) Not very (1) Not at all () No answer
7. In what ways has this course made you think differently or more deeply? Please provide examples.

I learned so much from this class -- both about science and how to succeed. (confidence, public speaking, etc.)

8. What aspects of this course worked best to facilitate your learning?

Sarah is a great communicator and created a welcoming and comfortable learning environment.

9. What suggestions do you have for improving this course?

n/c

Instructor Questions

1. How would you rate the instructor's organization of each class?
(5) Excellent (4) Very Good (3) Satisfactory (2) Less than Satisfactory (1) Very Poor () No answer
2. How would you rate the instructor's success in explaining concepts and ideas?
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(5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
7. How would you rate the instructor overall?
(5) Excellent (4) Very Good (3) Good (2) Fair (1) Poor () No answer
8. Please provide any additional comments regarding the instructor.

She is awesome. Great professor.

Please provide any additional comments regarding the Experimental College.

Course # 22-F Course Name Life on Earth and Beyond
Instructor Sarah How many Ex College courses have you taken (including this course)? 2