Materials Chem. & Nanoscience - CHEM378 01
Northrop, Brian Hale

1. How would you describe your efforts in this course?

| Strenuous | Fairly Serious | Casual | Very Slight | No answer |

2. The Course: Please comment on the course and its organization. Among the things you might consider are: the amount and suitability of assigned work; the design and contents of the material; the appropriateness and fairness of the modes of evaluation.

Rate the overall quality of this course:

| Outstanding | Good | Acceptable | Poor | No answer |

This course was really well organized and covered material found in no other chemistry course here. The topics were well selected and very interesting. The weekly homework was based on the class materials and provided a chance to apply what was learned in class to different problems.

3. The Teaching: Please comment on the quality of the teaching in this course. Depending on the type of course, among the things you might consider are: the instructor's level of preparation; the ability to raise and answer questions; the ability to guide discussion; enthusiasm; degree of intellectual stimulation; incentive to further study; helpfulness of comments and suggestions on test and papers.

Rate the overall quality of the teaching:

| Outstanding | Good | Fair | Poor | No answer |

Professor Northrop is a gifted teacher. His lectures have a clear organization, and it is very easy to follow him in lecture. He writes most of his notes on the chalkboard, which I prefer over a slideshow because it makes me more engaged in class as I write the notes from the board. He does have powerpoint slides to show examples of complex molecules or systems, but he uses those after he's already explained the material, which I find to be very effective. This was the first time he taught this class here, but it really didn't feel like that. He knew where he was going with each topic and was very familiar with the topics. Overall, I think Wesleyan is lucky that Professor Northrop joined the faculty. He is an excellent teacher and his course covers new and rapidly developing areas of research.
Materials Chem. & Nanoscience - CHEM378 01

1. How would you describe your efforts in this course?

<table>
<thead>
<tr>
<th>Strenuous</th>
<th>Fairly Serious</th>
<th>Casual</th>
<th>Very Slight</th>
<th>No answer</th>
</tr>
</thead>
</table>

2. The Course: Please comment on the course and its organization. Among the things you might consider are: the amount and suitability of assigned work; the design and contents of the material; the appropriateness and fairness of the modes of evaluation.

Rate the overall quality of this course:

<table>
<thead>
<tr>
<th>Outstanding</th>
<th>Good</th>
<th>Acceptable</th>
<th>Poor</th>
<th>No answer</th>
</tr>
</thead>
</table>

This course was very interesting and well organized. The assigned work was always on topic and evaluated fairly.

3. The Teaching: Please comment on the quality of the teaching in this course. Depending on the type of course, among the things you might consider are: the instructor's level of preparation; the ability to raise and answer questions; the ability to guide discussion; enthusiasm; degree of intellectual stimulation; incentive to further study; helpfulness of comments and suggestions on test and papers.

Rate the overall quality of the teaching:

<table>
<thead>
<tr>
<th>Outstanding</th>
<th>Good</th>
<th>Fair</th>
<th>Poor</th>
<th>No answer</th>
</tr>
</thead>
</table>

The Professor is a great speaker. Classes were always interesting and engaging. Information was presented clearly and answers were provided to every question. The Professor seemed enthusiastic about the material and transferred that enthusiasm to the students.
1. How would you describe your efforts in this course?

<table>
<thead>
<tr>
<th></th>
<th>Strenuous</th>
<th>Fairly Serious</th>
<th>Casual</th>
<th>Very Slight</th>
<th>No answer</th>
</tr>
</thead>
</table>

2. The Course: Please comment on the course and its organization. Among the things you might consider are: the amount and suitability of assigned work; the design and contents of the material; the appropriateness and fairness of the modes of evaluation.

Rate the overall quality of this course:

<table>
<thead>
<tr>
<th></th>
<th>Outstanding</th>
<th>Good</th>
<th>Acceptable</th>
<th>Poor</th>
<th>No answer</th>
</tr>
</thead>
</table>

My comment about the course structure is that the work assigned tends to require information that is not in the material. These problems sometimes are sometimes ambiguous and can often result in a judgment call having to be made rather than a conclusion drawn from the readings. However, the readings and material presented was very relevant and drew from current literature.

3. The Teaching: Please comment on the quality of the teaching in this course. Depending on the type of course, among the things you might consider are: the instructor's level of preparation; the ability to raise and answer questions; the ability to guide discussion; enthusiasm; degree of intellectual stimulation; incentive to further study; helpfulness of comments and suggestions on test and papers.

Rate the overall quality of the teaching:

<table>
<thead>
<tr>
<th></th>
<th>Outstanding</th>
<th>Good</th>
<th>Fair</th>
<th>Poor</th>
<th>No answer</th>
</tr>
</thead>
</table>

Professor Northrop is very interested in this material and very knowledgeable. Often he synthesizes a variety of articles in order to teach us current methods that would be extremely difficult to learn any other way. The one issue with the class was that it took place in 107 Shanklin, which is much to large to be conducive to the small, informal class structure that would have been appropriate for the class.
1. How would you describe your efforts in this course?

<table>
<thead>
<tr>
<th>Strenuous</th>
<th>Fairly Serious</th>
<th>Casual</th>
<th>Very Slight</th>
<th>No answer</th>
</tr>
</thead>
</table>

2. The Course: Please comment on the course and its organization. Among the things you might consider are: the amount and suitability of assigned work; the design and contents of the material; the appropriateness and fairness of the modes of evaluation.

Rate the overall quality of this course:

<table>
<thead>
<tr>
<th>Outstanding</th>
<th>Good</th>
<th>Acceptable</th>
<th>Poor</th>
<th>No answer</th>
</tr>
</thead>
</table>

great course. Suitable and manageable amount of work. I especially liked the idea of take-home exams because it made me do research on interesting and relevant articles for the course.

3. The Teaching: Please comment on the quality of the teaching in this course. Depending on the type of course, among the things you might consider are: the instructor's level of preparation; the ability to raise and answer questions; the ability to guide discussion; enthusiasm; degree of intellectual stimulation; incentive to further study; helpfulness of comments and suggestions on test and papers.

Rate the overall quality of the teaching:

<table>
<thead>
<tr>
<th>Outstanding</th>
<th>Good</th>
<th>Fair</th>
<th>Poor</th>
<th>No answer</th>
</tr>
</thead>
</table>

I especially liked the fact that we did stuff that was very relevant to today's world, studying current developments in nanotechnology.
1. How would you describe your efforts in this course?

<table>
<thead>
<tr>
<th>Strenuous</th>
<th>Fairly Serious</th>
<th>Casual</th>
<th>Very Slight</th>
<th>No answer</th>
</tr>
</thead>
</table>

2. The Course: Please comment on the course and its organization. Among the things you might consider are: the amount and suitability of assigned work; the design and contents of the material; the appropriateness and fairness of the modes of evaluation.

Rate the overall quality of this course:

<table>
<thead>
<tr>
<th>Outstanding</th>
<th>Good</th>
<th>Acceptable</th>
<th>Poor</th>
<th>No answer</th>
</tr>
</thead>
</table>

lot's of homework. presentations, and reading author papers went well with the expected material

3. The Teaching: Please comment on the quality of the teaching in this course. Depending on the type of course, among the things you might consider are: the instructor's level of preparation; the ability to raise and answer questions; the ability to guide discussion; enthusiasm; degree of intellectual stimulation; incentive to further study; helpfulness of comments and suggestions on test and papers.

Rate the overall quality of the teaching:

<table>
<thead>
<tr>
<th>Outstanding</th>
<th>Good</th>
<th>Fair</th>
<th>Poor</th>
<th>No answer</th>
</tr>
</thead>
</table>

Went over scientific papers, therefore we covered every material with new techniques and latest advancements. Great course.
1. **How would you describe your efforts in this course?**

- Strenuous
- Fairly Serious
- Casual
- Very Slight
- No answer

2. **The Course:** Please comment on the course and its organization. Among the things you might consider are: the amount and suitability of assigned work; the design and contents of the material; the appropriateness and fairness of the modes of evaluation.

Rate the overall quality of this course:

- Outstanding
- Good
- Acceptable
- Poor
- No answer

While the homework definitely served a good purpose in reviewing the material from lecture that might not have been absorbed at 9 am in the morning, I feel like the homework could have been made slightly more difficult, i.e. more quantitative calculations where possible, etc. As far as course topics, it was a pretty broad survey of ideas at a moderate level of depth which I liked fairly well. I also feel that the final project could be made a little more in depth. Maybe instead of just gaining an in depth knowledge of one article, the students could try to gain in depth knowledge of a small subfield of materials chemistry. I found myself constantly looking through and referring to other articles in order to understand the one I was trying to work on, but once you look through a few you realize that the majority of the articles are referencing the same ones and you can kind of develop a closed loop of knowledge with regards to research in that field. The idea of practicing presentations of articles and developing literature searching and cross referencing skills I thought was a very good idea.

Also, more questions on the homework should probably be drawn from the readings, because I kept up with them for the first half of the course, but as finals approach and projects start happening, I don’t find the incentive for reading articles that I am not going to be graded on, when i could spend that time working on other assignments.

3. **The Teaching:** Please comment on the quality of the teaching in this course. Depending on the type of course, among the things you might consider are: the instructor's level of preparation; the ability to raise and answer questions; the ability to guide discussion; enthusiasm; degree of intellectual stimulation; incentive to further study; helpfulness of comments and suggestions on test and papers.

Rate the overall quality of the teaching:

- Outstanding
- Good
- Fair
- Poor
- No answer

Professor Northrop always seemed well prepared for the lectures. There was a lack of raising and answering questions, but that is probably mostly attributable to the 9 am class time, as the class was not very responsive. Professor Northrop was always very enthusiastic and exceptionally willing to meet outside of class and discuss the course topics, and was very useful when I took advantage of this. For this being his first real class taught at Wesleyan I thought he did a very good job.
1. **How would you describe your efforts in this course?**

<table>
<thead>
<tr>
<th>Strenuous</th>
<th>Fairly Serious</th>
<th>Casual</th>
<th>Very Slight</th>
<th>No answer</th>
</tr>
</thead>
</table>

2. **The Course:** Please comment on the course and its organization. Among the things you might consider are: the amount and suitability of assigned work; the design and contents of the material; the appropriateness and fairness of the modes of evaluation.

Rate the overall quality of this course:

<table>
<thead>
<tr>
<th>Outstanding</th>
<th>Good</th>
<th>Acceptable</th>
<th>Poor</th>
<th>No answer</th>
</tr>
</thead>
</table>

The course was well organized. The readings were a good mix of difficulty (popular science articles vs peer reviewed). The homework was relevant and a good level of difficulty, mixing general chemistry knowledge with topics covered in class. I also enjoyed the opinion questions in the homework as a way to think about wider societal applications of the material.

3. **The Teaching:** Please comment on the quality of the teaching in this course. Depending on the type of course, among the things you might consider are: the instructor's level of preparation; the ability to raise and answer questions; the ability to guide discussion; enthusiasm; degree of intellectual stimulation; incentive to further study; helpfulness of comments and suggestions on test and papers.

Rate the overall quality of the teaching:

<table>
<thead>
<tr>
<th>Outstanding</th>
<th>Good</th>
<th>Fair</th>
<th>Poor</th>
<th>No answer</th>
</tr>
</thead>
</table>

I thought Professor Northrop was very good at explaining the material and could answer questions very well. I think this class was also a good example of how to effectively use a combination of blackboard and powerpoint teaching. I usually don't like learning from powerpoint, but I think it works well in this context, where it would be very difficult to draw things understandably.
1. How would you describe your efforts in this course?

<table>
<thead>
<tr>
<th></th>
<th>Strenuous</th>
<th>Fairly Serious</th>
<th>Casual</th>
<th>Very Slight</th>
<th>No answer</th>
</tr>
</thead>
</table>

2. The Course: Please comment on the course and its organization. Among the things you might consider are: the amount and suitability of assigned work; the design and contents of the material; the appropriateness and fairness of the modes of evaluation.

Rate the overall quality of this course:

<table>
<thead>
<tr>
<th></th>
<th>Outstanding</th>
<th>Good</th>
<th>Acceptable</th>
<th>Poor</th>
<th>No answer</th>
</tr>
</thead>
</table>

I really enjoyed this class. The problem sets definitely got more challenging as the questions more into a more theoretical and speculative area, which I often had a hard time actually doing, but it was a very novel class for Wesleyan and I enjoyed it.

3. The Teaching: Please comment on the quality of the teaching in this course. Depending on the type of course, among the things you might consider are: the instructor's level of preparation; the ability to raise and answer questions; the ability to guide discussion; enthusiasm; degree of intellectual stimulation; incentive to further study; helpfulness of comments and suggestions on test and papers.

Rate the overall quality of the teaching:

<table>
<thead>
<tr>
<th></th>
<th>Outstanding</th>
<th>Good</th>
<th>Fair</th>
<th>Poor</th>
<th>No answer</th>
</tr>
</thead>
</table>

I thought it was very well taught. It covered a very wide range of material and I thought it was well presented to a group with backgrounds in both chemistry and physics.
1. How would you describe your efforts in this course?

- Strenuous
- Fairly Serious
- Casual
- Very Slight
- No answer

2. The Course: Please comment on the course and its organization. Among the things you might consider are: the amount and suitability of assigned work; the design and contents of the material; the appropriateness and fairness of the modes of evaluation.

Rate the overall quality of this course:

- Outstanding
- Good
- Acceptable
- Poor
- No answer

Weekly homework kept me engaged in the material, but the grading was always fair. The midterm exam was long but also fair, and I never felt that my grade did not reflect the work I was putting in.

3. The Teaching: Please comment on the quality of the teaching in this course. Depending on the type of course, among the things you might consider are: the instructor's level of preparation; the ability to raise and answer questions; the ability to guide discussion; enthusiasm; degree of intellectual stimulation; incentive to further study; helpfulness of comments and suggestions on test and papers.

Rate the overall quality of the teaching:

- Outstanding
- Good
- Fair
- Poor
- No answer

Awesome! The multimedia approach of powerpoint+chalk talk was very helpful, and made note-taking easy. The lectures were always well prepared, and questions were always answered without hesitation.
Materials Chem. & Nanoscience - CHEM378 01

1. How would you describe your efforts in this course?

| Strenuous | Fairly Serious | Casual | Very Slight | No answer |

2. The Course: Please comment on the course and its organization. Among the things you might consider are: the amount and suitability of assigned work; the design and contents of the material; the appropriateness and fairness of the modes of evaluation.

Rate the overall quality of this course:

| Outstanding | Good | Acceptable | Poor | No answer |

well-organized. learned a lot from the readings. the hw tends to be too qualitative for my liking as a science major. the presentation component is very stressful.

3. The Teaching: Please comment on the quality of the teaching in this course. Depending on the type of course, among the things you might consider are: the instructor's level of preparation; the ability to raise and answer questions; the ability to guide discussion; enthusiasm; degree of intellectual stimulation; incentive to further study; helpfulness of comments and suggestions on test and papers.

Rate the overall quality of the teaching:

| Outstanding | Good | Fair | Poor | No answer |

gets you interested. the supplementary materials (ppt. slides) are very helpful.
Materials Chem. & Nanoscience - CHEM378 01
Northrop, Brian Hale

1. How would you describe your efforts in this course?

- Strenuous
- Fairly Serious
- Casual
- Very Slight
- No answer

2. The Course: Please comment on the course and its organization. Among the things you might consider are: the amount and suitability of assigned work; the design and contents of the material; the appropriateness and fairness of the modes of evaluation.

Rate the overall quality of this course:

- Outstanding
- Good
- Acceptable
- Poor
- No answer

Great course. Material was interesting and professor makes it more interesting. Work was suitable for the class.

3. The Teaching: Please comment on the quality of the teaching in this course. Depending on the type of course, among the things you might consider are: the instructor's level of preparation; the ability to raise and answer questions; the ability to guide discussion; enthusiasm; degree of intellectual stimulation; incentive to further study; helpfulness of comments and suggestions on test and papers.

Rate the overall quality of the teaching:

- Outstanding
- Good
- Fair
- Poor
- No answer

Preparation was above and beyond. Some subjects were beyond instructor's area of expertise but questions were handled well.