



UNIVERSITY OF
MICHIGAN

Winter 2019 Instructor Report With Comments of AEROSP 532-001: Molecular Gas Dyn for Kyle Hanquist

Project Title: **Winter 2019 Teaching Evaluation**

Course Audience: **25**

Responses Received: **12**

Response Ratio: **48.0%**

Report Comments

This report is a summary that tabulates all quantitative ratings on a single page. Results from the open-ended questions appear at the end of this report. Ratings are from the Winter 2019 teaching evaluations of AEROSP 532-001: Molecular Gas Dyn.

Prepared by: **Office of the Registrar**

Creation Date: **Monday, May 6, 2019**

Responses to the University-wide questions about the course:

	SA	A	N	D	SD	N/A	Your Median	University-Wide Median	School/College Median
This course advanced my understanding of the subject matter. (Q1631)	9	2	1	0	0	0	4.8	4.5	4.6
My interest in the subject has increased because of this course. (Q1632)	4	5	2	0	1	0	4.1	4.2	4.4
I knew what was expected of me in this course.(Q1633)	8	2	2	0	0	0	4.8	4.5	4.4
Overall, this was an excellent course.(Q1)	4	6	1	1	0	0	4.2	4.2	4.5
I had a strong desire to take this course.(Q4)	4	1	6	1	0	0	3.3	4.0	4.4
As compared with other courses of equal credit, the workload for this course was... (SA=Much Lighter to SD=Much Heavier)	1	4	7	0	0	0	3.4	3.0	2.9

Responses to the University-wide questions about the instructor:

	SA	A	N	D	SD	N/A	Your Median	University-Wide Median	School/College Median
Overall, Kyle Hanquist was an excellent teacher.	4	7	1	0	0	0	4.2	4.5	4.6
Kyle Hanquist seemed well prepared for class meetings.	9	3	0	0	0	0	4.8	4.8	4.7
Kyle Hanquist explained material clearly.	8	4	0	0	0	0	4.8	4.6	4.6
Kyle Hanquist treated students with respect.	10	2	0	0	0	0	4.9	4.8	4.8

Responses to additional questions about the course:

	SA	A	N	D	SD	N/A	Your Median	University-Wide Median
I increased my ability to apply math and science knowledge to engineering problems. (Q15)	4	7	1	0	0	0	4.2	4.3
I increased my ability to formulate, and solve engineering problems. (Q23)	5	6	0	1	0	0	4.3	4.3
I increased my ability to apply engineering tools and methods. (Q35)	4	6	1	1	0	0	4.2	4.3

The medians are calculated from Winter 2019 data. University-wide medians are based on all UM classes in which an item was used. The school/college medians in this report are based on classes that are graduate level with enrollment of 16 to 74 in College of Engineering.

Written Comments

Comment on the quality of instruction in this course. (Q900)

Comments
Lectures were essentially unnecessary to attend, since the lectures were drawn straight from the textbook.
At first I was confusing about the way of teaching: write formula line by line in class. But as the course proceeded, I found that this is the best way to help us understand and get familiar with the mechanism behind. The professor is very patient and responsible. He can always give feedback on time and be strict with the evaluation.
Dr Hanquist was always prepared and on-task. I'm glad he didn't use slides or pre-written notes, as his style of teaching on the board helped me stay engaged and focused. Only minor complaints would be that he somewhat frequently would make transcription errors between his written notes and the board, but overall good class good teacher. The textbook, on the other hand, was pretty poor. full of errors and not especially clear, but that's not Dr Hanquist's fault
Homework problems and exam questions were sometimes poorly worded or unclear. In general Prof. Hanquist was helpful in answering questions throughout the course though.
I would like to express my frustration over the textbook for this course. While I understand that the first edition of such a text would naturally contain some errors, it seems unfair that questions on the homework or exams should depend on equations in the book which are printed incorrectly. I realize that providing a running list of errata is supposed to prevent this, but I have a hard enough time learning this subject on its own without also having to proofread the reference material as I go. I hope this second version of this text improves considerably, because currently my opinion is that this book did not provide anything noteworthy to warrant the ~\$100 cost.
While I enjoyed lecture and I think the quality of instruction was good (answers to questions were satisfying), the quality of the textbook was very very poor, and often frustrating to use.
Well-taught class, really enjoyed learning the material. I understand that DSMC isn't covered in this class, but if there was a way to work this in it would be really helpful!
Kyle is a good teacher working with a very bad textbook and he did his best