University of Pittsburgh

Spring 2019 - Matthew Barry MEMS 1256 - APLD CMPTL HEAT AND MASS - 1000 - Lecture

Project Title: **2194 - Teaching Survey Spring 2019**

Courses Audience: **11**
Responses Received: **4**
Response Rate: **36.36%**

Subject Details	
Name	MEMS 1256 - APLD CMPTL HEAT AND MASS - 1000 - Lecture
DEPARTMENT_CD	MEMS
CAMPUS_CD	PIT
SCHOOL_CD	ENGR
CLASS_NBR	31930
SECTION_NUMBER	1000
TERM_NUMBER	2194
COURSE_TYPE	Lecture
CLASS_ATTRIBUTE	
First Name	Matthew
Last Name	Barry
RANK_DESCR	Assistant Professor
TENURE	NT

Report Comments

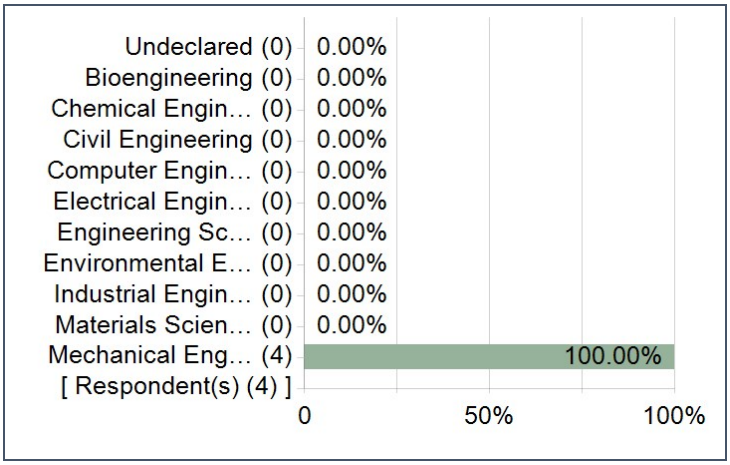
Table of Contents:

Instructor and Course Survey Results:

- Numerical
- Comments
- Additional School or Department Questions (if applicable)
- Additional QP Questions (if applicable)

Creation Date: **Wednesday, May 01, 2019**

Please select the major you are enrolled in. Check at most 2 programs. If you are currently a freshman or an undeclared major, select your anticipated major from the list (or select Undeclared if you are unsure).



University Questions

Instructor Summary of Results - Scale: Strongly Disagree (1) to Strongly Agree (5)

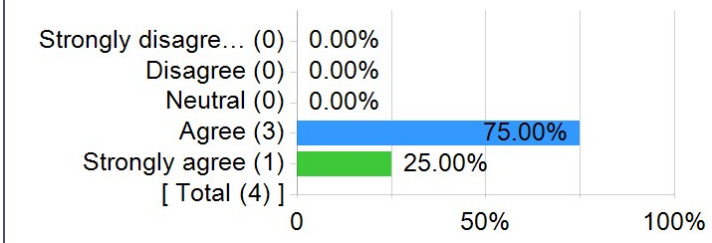
Question	Results		
	Response Count	Mean	Standard Deviation
The instructor stimulated my thinking.	4	4.25	0.50
The instructor was enthusiastic about teaching the course.	4	4.25	0.50
The instructor presented the course in an organized manner.	4	4.50	0.58
The instructor maintained an environment where students felt comfortable participating.	4	4.75	0.50
The instructor maintained an environment where students felt comfortable seeking assistance.	4	5.00	0.00
The instructor provided helpful feedback.	4	4.50	0.58
Assignments contributed to my understanding of the subject.	4	4.00	0.82

Instructor's overall teaching effectiveness

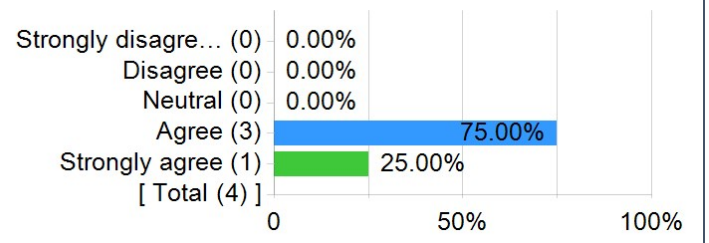
Question	Results		
	Response Count	Mean	Standard Deviation
Express your judgment of the instructor's overall teaching effectiveness.	4	4.25	0.50

Instructor Items: Detailed Results

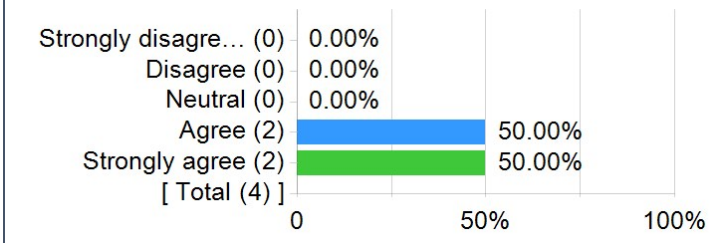
1. The instructor stimulated my thinking.



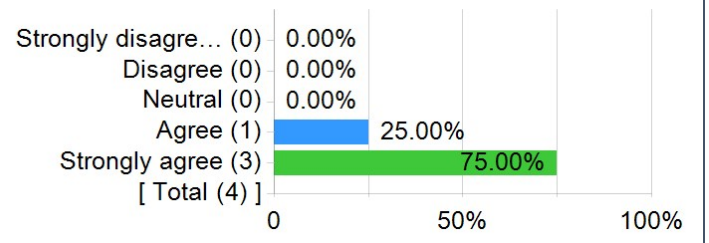
2. The instructor was enthusiastic about teaching the course.



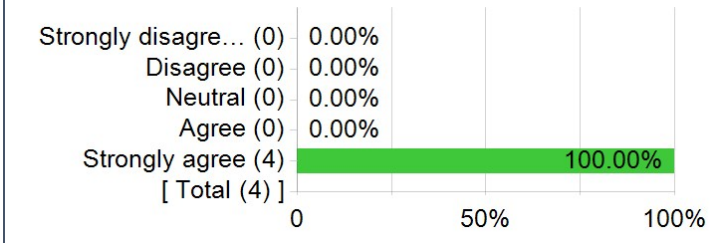
3. The instructor presented the course in an organized manner.



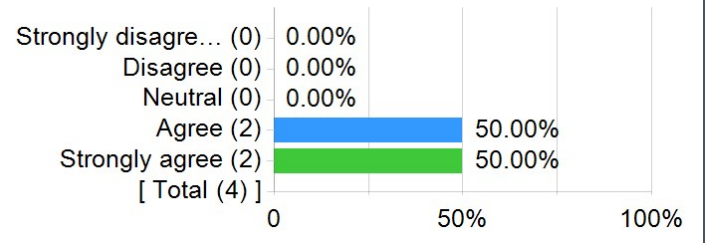
4. The instructor maintained an environment where students felt comfortable participating.



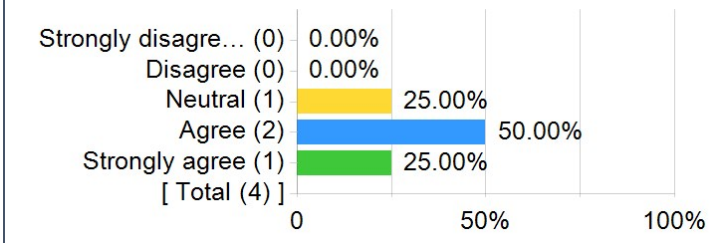
5. The instructor maintained an environment where students felt comfortable seeking assistance.



6. The instructor provided helpful feedback.

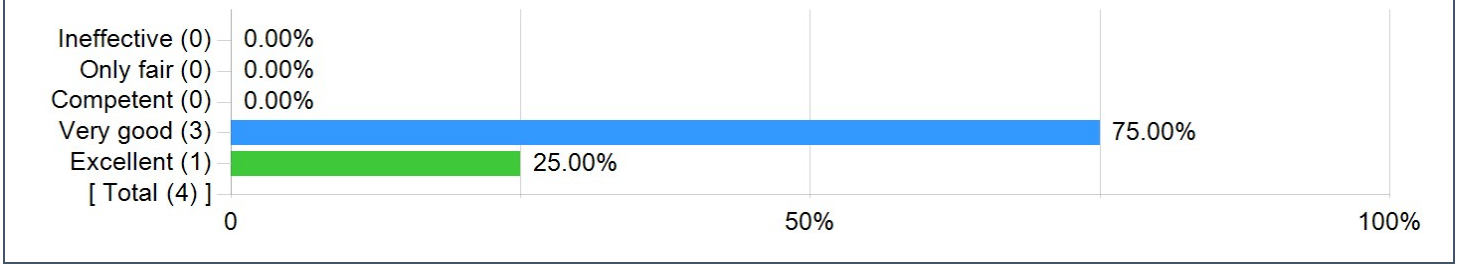


7. Assignments contributed to my understanding of the subject.



Instructor's overall teaching effectiveness:

1. Express your judgment of the instructor's overall teaching effectiveness.



Comments

What did the instructor do to help you learn?

Comments
Helpful lectures and real world examples.
Taught the class in a lecture/workshop setup so that we could immediately apply concepts learned in lecture.
Discussed material thoroughly while interacting with unsure students
While I enjoyed the class, I learned that I will likely not be doing fluid simulations in my career. Especially using ANSYS.

What could the instructor do to improve?

Comments
Maybe turn it into a two semester course. I understand that it can be very difficult to get students to build a box with a circle in it, maybe have a video and make students follow along and then bring their mesh into class etc.
Assign homework.
More homework that is relative to learning ANSYS CFX and ICEM.
More assignments would be useful.

Do you have any other information that you would like your instructor to know?

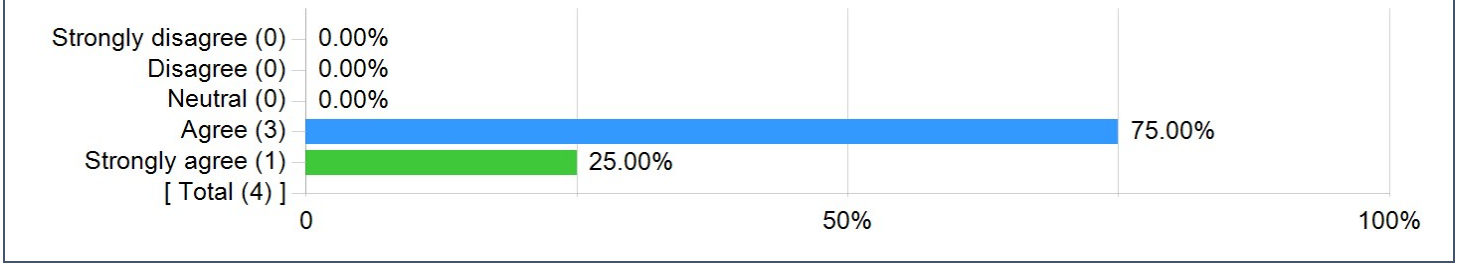
Comments
I enjoyed the class even though I may never use CFD, at least now I know to not use fluent and to run the GCI and P–box stuff we did in the last lecture.
This class was a nice introduction to the finite element method, but I expected to have more in depth instruction.
I used to like ANSYS before this class, but now I understand its limitations

ENGINEERING

Swanson School of Engineering Items

The instructor was accessible.

1. The instructor was accessible.



Please provide advice to future students: What could you have done to improve your learning in this course?

Comments
Brush up on fluids and heat transfer.
–
Watch the tutorial videos every so often to learn how to utilize ANSYS in class.
NA

ENGINEERING UNDERGRAD

Please rate the degree to which this course has improved...

Question	Results		
	Response Count	Mean	Standard Deviation
Your ability to identify, formulate, and solve complex engineering problems by applying principles of engineering.	4	4.25	0.50
Your ability to identify, formulate, and solve complex engineering problems by applying principles of science.	4	3.75	1.26
Your ability to identify, formulate, and solve complex engineering problems by applying principles of mathematics.	4	4.25	0.50
Your ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare.	4	3.00	1.41
Your ability to apply engineering design to produce solutions that meet specified needs with consideration of global, cultural, and social factors (i.e., sustainability principles).	4	3.00	1.41
Your ability to apply engineering design to produce solutions that meet specified needs with consideration of environmental and economic factors (i.e., sustainability principles).	4	3.00	1.41
Your ability to effectively communicate verbally with a wide range of audiences.	4	3.25	1.71
Your ability to effectively communicate in writing to a wide range of audiences.	4	3.25	1.71
Your ability to recognize ethical and professional responsibilities in engineering situations.	4	2.50	1.73
Your ability to make informed judgments that consider the impact of engineering solutions in global and societal contexts (i.e., sustainability principles).	4	2.75	1.71
Your ability to make informed judgments that consider the impact of engineering solutions in economic and environmental contexts (i.e., sustainability principles).	4	2.75	1.50
Your ability to function effectively on a team whose members together provide an inclusive environment, collaboration, and leadership.	4	2.25	0.50
Your ability to function effectively on a team whose members together establish goals, plan tasks, and meet objectives.	4	2.25	0.50
Your ability to develop appropriate experiments.	4	3.25	0.50
Your ability to conduct appropriate experiments.	4	3.25	0.50
Your ability to analyze and interpret data and use engineering judgment to draw conclusions.	4	4.50	0.58
Your ability to embrace new learning strategies to independently acquire and apply new knowledge to solve engineering problems.	4	4.00	0.82