

Merged Courses: 20MECH2032 004 - MATERIAL SCIENCE
20MET2032 004 - MATERIAL SCIENCE
20MTEN2032 004 - MATERIAL SCIENCE

Department: 20MECH

Responsible Faculty: Donglu Shi

Responses / Expected: 16 / 37 (43.24%)

Focus: Overall Results

Overall Mean: 4.38 5pt likert Excellent-Poor (16 responses)

Common Set Course Overall	20MECH/MET/MTEN2032 - 004													--- Survey Comparisons ---			
	Responses						Course							All			
	5E	4G	3A	2F	1P	N	Mean	Grp Med	Med.	Mode	Low	High	Std Dev	N	Mean	Grp Med	Pct Rnk
Q1 Please rate the quality of the course.	10	3	2	1	0	16	4.38	4.70	5	5	2	5	.93	7K	3.94	4.19	46

Responses: [5E] 5 Excellent=5 [4G] 4 Good=4 [3A] 3 Average=3 [2F] 2 Fair=2 [1P] 1 Poor=1
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)

Q2 - Please describe the most valuable aspects of this course.

Response Rate: 81.25% (13 of 16)

- 1 valuable knowledge applicable to the engineering field
- 2 The quality of in class lectures
- 3 The professor was incredibly passionate about material science and knew a lot about the engineering field.
The professor was my favorite of all time. He delivered all of the course content with such passion that I was always focused and eager to
- 4 learn. The course itself was very interesting and has some really important applications for real world use. Understanding materials on both a micro and macroscopic level is really important for engineers and gave me a much deeper understanding.
- 5 The most valuable aspect was the lecture slides that were posted weekly.
- 6 The in-depth view of each topic
- 7 The consistent assignment and exam schedule
- 8 The answers to the homework are published after the due date so we can see what we need to improve on for exams.
- 9 Some basic understanding of materials
- 10 Learning how to improve the strength of materials.
- 11 Kinda free learning of sort, where necessary topics are discussed and some unnecessary but fun topics aswell
- 12 How much we learn and the style of teaching.
- 13 All the homework reflected what was there in the exam, the open book exams helped in not only understanding but also applying, reflecting the real world

Q3 - Are there any changes you would make to this course to improve your learning? If yes, please describe the proposed changes.

Response Rate: 81.25% (13 of 16)

- 1 The course is good, no changes need to be made
- 2 Textbook access
- 3 Some of the content seemed pretty in depth and confsuing
- 4 NA
- 5 N/A
- 6 N/A
- 7 More hands-on less lecturing
- 8 Less 'textbook' homework questions. Half the time I had no clue what the homework was asking due to very complicated wording and very very specific things.
- 9 I've talked to other people taking other another professor and I feel like I missed out. The other classes like watched videos and took notes before class and most of the classes were 'labs' which I feel like would have been a much better learning experience
- 10 I would add in labs or activities where students could solve problems or physically see all of the tests being made to different materials.
- 11 I think the course is good nothing to be changed
- 12 Have some more in-class assignments and worksheets

13 Have some lab time or at least some demonstrations.

Results Summary by Question Category/Sub-Category

20MECH/MET/MTEN2032 - 004

Question Categories / Sub-Categories	Responses						Course						
	5E	4G	3A	2F	1P	N	Mean	Grp Med	Med.	Mode	Low	High	Std Dev
C1 Common Set Course	10	3	2	1	0	16	4.38	4.70	5	5	2	5	.93

Responses: [5E] 5 Excellent=5 [4G] 4 Good=4 [3A] 3 Average=3 [2F] 2 Fair=2 [1P] 1 Poor=1

Merged Courses: 20MECH2032 004 - MATERIAL SCIENCE
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Department: 20MECH

Responsible Faculty: Donglu Shi

Responses / Expected: 16 / 37 (43.24%)

Overall Mean: 7.25 ODHE 10 Pt (16 responses)
4.44 5pt likert Excellent-Poor (16 responses)
4.38 5-Point Likert Scale SA-SD N/A (112 responses)
1.94 Yes/No (16 responses)
1.75 Yes/No/NA (12 responses)

Common Set Faculty Instructor-Based	Donglu Shi													--- Survey Comparisons ---																				
	Responses							Individual						All																				
	SA	A	N	D	SD	N	Mean	Grp Med	Med.	Mode	Low	High	Std Dev	N	Mean	Grp Med	Pct Rnk																	
Q1	The instructor delivered the course content in an organized manner.																	8	6	1	1	0	16	4.31	4.50	4.5	5	2	5	.85	7.2K	4.22	4.48	36
Q2	The instructor communicated the content of this course in ways that I could comprehend																	7	5	2	2	0	16	4.06	4.30	4	5	2	5	1.03	7.2K	4.16	4.42	29
Q3	The instructor provided feedback that helped me learn the course material.																	7	6	3	0	0	16	4.25	4.33	4	5	3	5	.75	7.2K	4.11	4.37	37
Q4	The instructor applied the grading criteria consistently.																	12	2	2	0	0	16	4.63	4.83	5	5	3	5	.70	7.2K	4.28	4.53	57
Q5	The instructor provided a learning atmosphere that was supportive.																	11	3	1	1	0	16	4.50	4.77	5	5	2	5	.87	7.2K	4.38	4.60	41
Q6	The instructor treated students with dignity and respect.																	15	1	0	0	0	16	4.94	4.97	5	5	4	5	.24	7.2K	4.57	4.75	67
Q7	The instructor's teaching methods were effective.																	8	3	2	2	1	16	3.94	4.50	4.5	5	1	5	1.30	7.2K	4.05	4.33	23

Responses: [SA] Strongly Agree=5 [A] Agree=4 [N] Neutral=3 [D] Disagree=2 [SD] Strongly Disagree=1
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)

State of Ohio Questions Instructor-Based	Donglu Shi													--- Survey Comparisons ---																	
	Responses				Individual						All																				
	YES	NO	N	Mean	Grp Med	Med.	Mode	Low	High	Std Dev	N	Mean	Grp Med	Pct Rnk																	
Q8	Does the faculty member create a classroom atmosphere free of political, racial, gender, and religious bias?																	15	1	16	1.94	1.97	2	2	1	2	.24	7.2K	1.93	1.96	31

Responses: [YES] Yes=2 [NO] No=1
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)

State of Ohio Questions Instructor-Based	Donglu Shi													--- Survey Comparisons ---																	
	Responses				Individual						All																				
	YES	NO	N	Mean	Grp Med	Med.	Mode	Low	High	Std Dev	N	Mean	Grp Med	Pct Rnk																	
Q9	Are students encouraged to discuss varying opinions and viewpoints in class?																	2	1	12	1.75	1.75	2	2	1	2	.43	5.7K	1.86	1.82	24

Responses: [YES] Yes=2 [NO] No=1
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)

State of Ohio Questions Instructor-Based	Donglu Shi													--- Survey Comparisons ---																														
	Responses											Individual		All																														
	1NE	2ME	3SE	4SE	5ME	6FE	7E	8VE	9HE	1EE	N	Mean	Grp Med	Med.	Mode	Low	High	Std Dev	N	Mean	Grp Med	Pct Rnk																						
Q10	On a scale of 1-10, how																						0	2	1	0	1	1	2	3	0	6	16	7.25	7.83	8	10	2	10	2.82	7.2K	7.65	8.12	23

effective
are the
teaching
methods
of this
faculty
member?

Responses: [1NE] 1 (Not Effective at All)=1
[2ME] 2 (Minimally Effective)=2
[3SE] 3 (Slightly Effective)=3
[4SE] 4 (Somewhat Effective)=4
[5ME] 5 (Moderately Effective)=5
[6FE] 6 (Fairly Effective)=6
[7E] 7 (Effective)=7
[8VE] 8 (Very Effective)=8
[9HE] 9 (Highly Effective)=9
[1EE] 10 (Extremely Effective)=10

Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)

20MECH Questions 20MECH People-Based Questions	Donglu Shi													--- Survey Comparisons ---			
	Responses							Individual						All			
	5E	4G	3A	2F	1P	N	Mean	Grp Med	Med.	Mode	Low	High	Std Dev	N	Mean	Grp Med	Pct Rnk
Q11 Please rate the quality of this professor.	10	3	3	0	0	16	4.44	4.70	5	5	3	5	.79	1.2K	4.05	4.49	40

Responses: [5E] 5 Excellent=5 [4G] 4 Good=4 [3A] 3 Average=3 [2F] 2 Fair=2 [1P] 1 Poor=1
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)

Results Summary by Question Category/Sub-Category

Question Categories / Sub-Categories	Donglu Shi												
	Responses						Individual						
	SA	A	N	D	SD	N	Mean	Grp Med	Med.	Mode	Low	High	Std Dev
S1 Instructor-Based	68	26	11	6	1	112	4.38	4.68	5	5	1	5	.93
C2 Common Set Faculty	68	26	11	6	1	112	4.38	4.68	5	5	1	5	.93

Responses: [SA] Strongly Agree=5 [A] Agree=4 [N] Neutral=3 [D] Disagree=2 [SD] Strongly Disagree=1

Results Summary by Question Category/Sub-Category

Question Categories / Sub-Categories	Donglu Shi										
	Responses				Individual						
	YES	NO	N	Mean	Grp Med	Med.	Mode	Low	High	Std Dev	
C1 State of Ohio Questions	15	1	16	1.94	1.97	2	2	1	2	.24	

Responses: [YES] Yes=2 [NO] No=1

Results Summary by Question Category/Sub-Category

Question Categories / Sub-Categories	Donglu Shi										
	Responses				Individual						
	YES	NO	N	Mean	Grp Med	Med.	Mode	Low	High	Std Dev	
C1 State of Ohio Questions	2	1	12	1.75	1.75	2	2	1	2	.43	

Responses: [YES] Yes=2 [NO] No=1

Results Summary by Question Category/Sub-Category

Question Categories / Sub-Categories	Donglu Shi																	
	Responses										Individual							
	1NE	2ME	3SE	4SE	5ME	6FE	7E	8VE	9HE	1EE	N	Mean	Grp Med	Med.	Mode	Low	High	Std Dev
C1 State of Ohio Questions	0	2	1	0	1	1	2	3	0	6	16	7.25	7.83	8	10	2	10	2.82

Responses: [1NE] 1 (Not Effective at All)=1
[2ME] 2 (Minimally Effective)=2
[3SE] 3 (Slightly Effective)=3

- [4SE] 4 (Somewhat Effective)=4
- [5ME] 5 (Moderately Effective)=5
- [6FE] 6 (Fairly Effective)=6
- [7E] 7 (Effective)=7
- [8VE] 8 (Very Effective)=8
- [9HE] 9 (Highly Effective)=9
- [1EE] 10 (Extremely Effective)=10

Results Summary by Question Category/Sub-Category

Question Categories / Sub-Categories	Donglu Shi												
	Responses						Individual						
	5E	4G	3A	2F	1P	N	Mean	Grp Med	Med.	Mode	Low	High	Std Dev
C1 20MECH Questions	10	3	3	0	0	16	4.44	4.70	5	5	3	5	.79
Responses: [5E] 5 Excellent=5 [4G] 4 Good=4 [3A] 3 Average=3 [2F] 2 Fair=2 [1P] 1 Poor=1													