Course:	20MTEN415 001 - PHYS MET II	Department:	20MTEN
Responsible Faculty:	Donglu Shi	Responses / Expected:	6 / 10 (60%)

ABET sample a thru k General		20MTEN415 - 001														Survey Comparisons								
			Res	spon	ses	3				Co	urse				20M	TEN		All						
		SD	D	NO	A	SA	N	Mean	Grp Med	Med.	Mode	Low	High	Std Dev	N	Mean	Grp Med	Pct Rnk	N	Mean	Grp Med			
Q1	apply my knowledge of math, science, and/or engineering	0	0	0	2	4	6	4.7	4.8	5	5	4	5	.47	17	4.6	4.7	83	751	4.0	4.2	87		
Q2	design and conduct experiments	0	2	0	2	2	6	3.7	4.0	4	2,4,5	2	5	1.25	17	4.0	4.4	17	752	3.2	3.2	51		
Q3	analyze and interpret data	0	1	0	3	2	6	4.0	4.2	4	4	2	5	1	17	4.5	4.7	17	749	3.8	4.0	44		
Q4	design a system, component, or process to meet desired needs within realistic constraints	0	2	1	1	2	6	3.5	3.5	3.5	2,5	2	5	1.26	17	3.6	4.0	50	752	3.5	3.7	28		
Q5	work as a team member	0	2	2	1	1	6	3.2	3.0	3	2,3	2	5	1.07	17	4.0	4.6	17	746	3.5	3.7	28		
Q6	identify, formulate, and solve engineering problems	0	0	0	3	3	6	4.5	4.5	4.5	4,5	4	5	.50	17	4.2	4.7	83	743	4.0	4.2	76		
Q7	understand professional and ethical responsibility	0	2	0	2	2	6	3.7	4.0	4	2,4,5	2	5	1.25	17	3.8	4.3	50	751	3.3	3.4	51		
Q8	communicate (orally) effectively	0	0	2	3	1	6	3.8	3.8	4	4	3	5	.69	17	3.8	4.0	50	746	3.2	3.3	67		
Q9	communicate (written) effectively	0	0	1	2	3	6	4.3	4.5	4.5	5	3	5	.75	17	4.2	4.6	50	749	3.7	3.9	77		
Q10	understand the impact of engineering solutions in a broad context	0	0	1	3	2	6	4.2	4.2	4	4	3	5	.69	17	3.9	4.4	83	747	3.8	4.0	68		
Q11	use techniques, skills or modern engineering tools necessary for engineering practice	0	0	0	3	3	6	4.5	4.5	4.5	4,5	4	5	.50	17	4.4	4.7	50	746	3.8	4.0	77		

Responses: [SD] Strongly Disagree=1 [D] Disagree=2 [NO] No Opinion/Neutral=3 [A] Agree=4 [SA] Strongly Agree=5
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)

ABET General Questions General		Donglu Shi															Survey Comparisons							
			Responses								Indi	vidual				20M	ITEN		All					
		SD	D	NC	A	S	A	N	Mean	Grp Med	Med.	Mode	Low	High	Std Dev	N	Mean	Grp Med		N	Mean	Grp Med		
Q12	The course was well planned.	0	0	0	3	3	3	6	4.5	4.5	4.5	4,5	4	5	.50	17	3.8	4.0	83	750	3.6	4.0	77	
Q13	The professor was approachable to discuss problems related to the course.	0	0	0	4	2	2	6	4.3	4.3	4	4	4	5	.47	17	4.0	4.3	83	751	3.8	4.1	69	
Q14	Class assignments and exams were relevant to the course material.	0	0	0	3	3	3	6	4.5	4.5	4.5	4,5	4	5	.50	17	4.5	4.6	50	751	4.0	4.2	71	
Q15	The grading was fair.	0	0	1	0	4	4	5	4.6	4.9	5	5	3	5	.80	16	4.1	4.3	83	749	3.8	4.0	86	

Responses: [SD] Strongly Disagree=1 [D] Disagree=2 [NO] No Opinion/Neutral=3 [A] Agree=4 [SA] Strongly Agree=5
Pct Rnk: Percentile Rank (100 is best, calculated vs. precise Mean)

ABET General Questions General		Donglu Shi															Survey Comparisons									
		Responses								Indi	vidual				20M	ITEN		All								
		VP	Р	A	VG	Ε	N Mean		Grp Med	Med.	Mode	Low	High	Std Dev	N	Mean Gr		Pct Rnk	N	Mean	Grp Med	Pct Rnk				
Q16	Overall, how do you rate this course?	0	0	0	1	5	6	4.8	4.9	5	5	4	5	.37	17	4.1	4.4	83	750	3.5	3.7	88				
Q17	Overall, how do you rate this professor?	0	0	0	1	5	6	4.8	4.9	5	5	4	5	.37	16	4.0	4.5	83	750	3.5	3.8	85				

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

Q18 - Please enter any comments about the professor in the box below:

Faculty: Donglu Shi

Response Rate: 66.67% (4 of 6)

- 1 Very well taught course. I learned a lot, but my only "complaint" is the focus on phase diagrams. It teaches a valuable lesson on microstructure, but leaves something to be desired to learn about other metals.
- The instructor makes class very interesting and interactive. He would ask us questions allowing us the opportunity to apply what we had been learning. The days when we had these class discussions and answer/question sessions were the most valuable in regard to understanding the material. I hope to have the opportunity to attend more classes taught by this professor.

One of the best teacher I've had. I truly enjoyed the course.

He knows his material and he is very capable of explaining it.

He is always willing to answer questions.

I we had had 3 more weeks

Donglu Shi is the best professor I have had in engineering. He's very good at explaining difficult topics, and does not stress unimportant topics in lecture. He always goes over what will be on the exam, and helps us to prepare. Exams are graded fairly and the course is curved which also helps. All students are able to succeed in this course, which is important in engineering. We are able to use our co-op experience combined with this course to greatly increase our understanding of metallurgy. I loved this course.