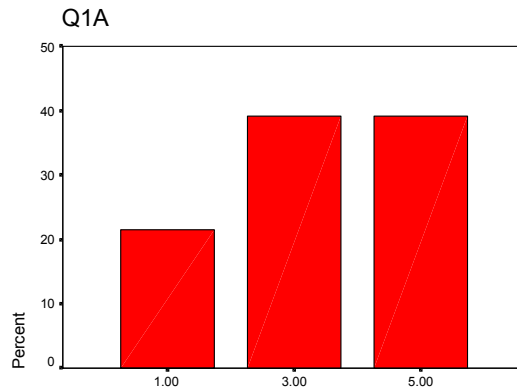


Q1A: My conceptual understanding in physics is weak.

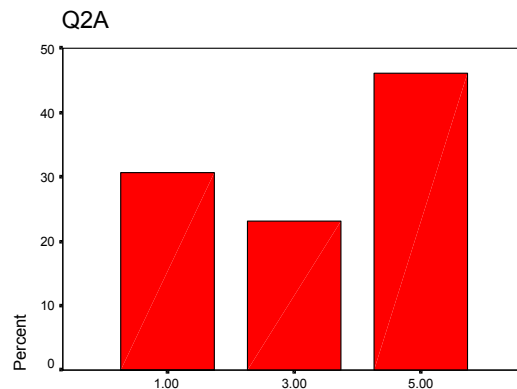
	Frequency	Percent
1.00	11	21.6
3.00	20	39.2
5.00	20	39.2
Total	51	100.0



Q1A

Q2A: I memorized most of the equations in physics and not really understanding them.

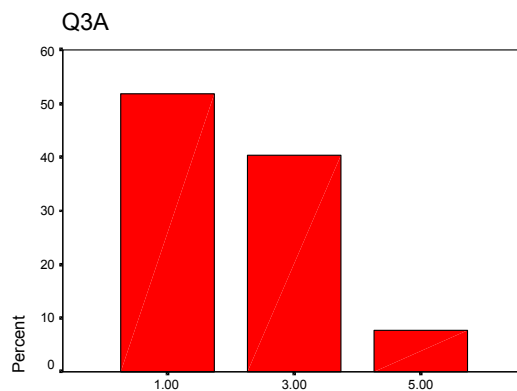
	Frequency	Percent
1.00	16	30.8
3.00	12	23.1
5.00	24	46.2
Total	52	100.0



Q2A

Q3A: I found thermodynamics to be a **very** difficult course.

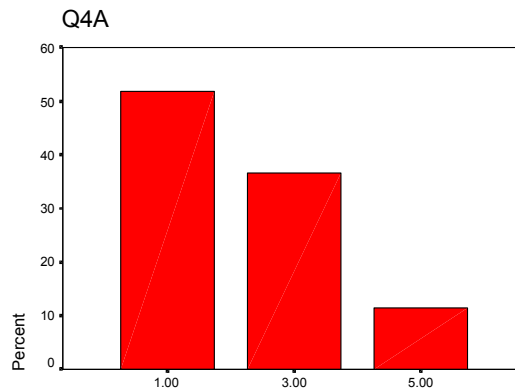
	Frequency	Percent
1.00	27	51.9
3.00	21	40.4
5.00	4	7.7
Total	52	100.0



Q3A

Q4A: The concepts in thermodynamics are too difficult to learn.

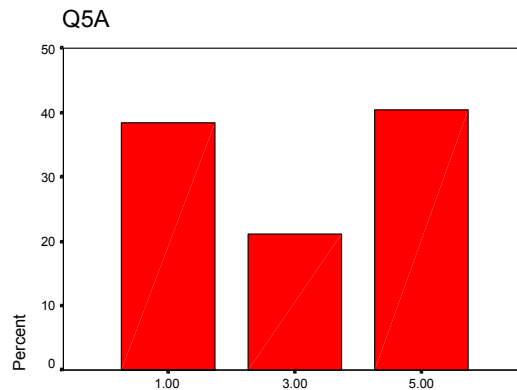
	Frequency	Percent
1.00	27	51.9
3.00	19	36.5
5.00	6	11.5
Total	52	100.0



Q4A

Q5A: There are too many mathematical expressions in thermodynamics for me to memorize.

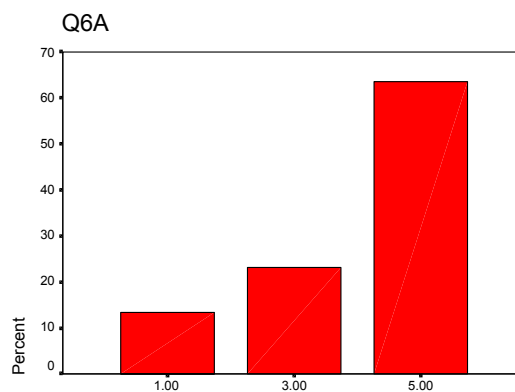
	Frequency	Frequency	Percent
1.00	20	18	38.5
3.00	11	8	21.2
5.00	21	42	40.4
Total	52	68	100.0



Q5A

Q6A: There are too many terminologies in thermodynamics for me to comprehend.

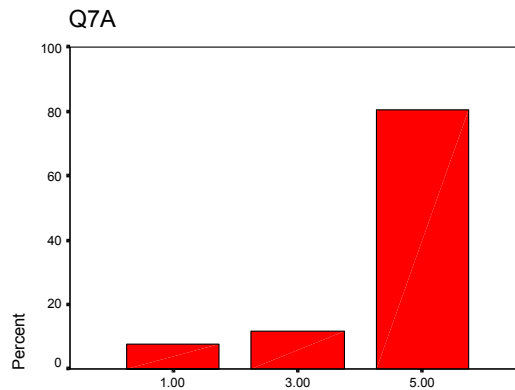
	Frequency	Percent
1.00	7	13.5
3.00	12	23.1
5.00	33	63.5
Total	67	100.0



Q6A

**Q7A:** The course outline which was distributed at the beginning of the semester had helped me focus my learning and structure my time appropriately and should be employed in all classes.

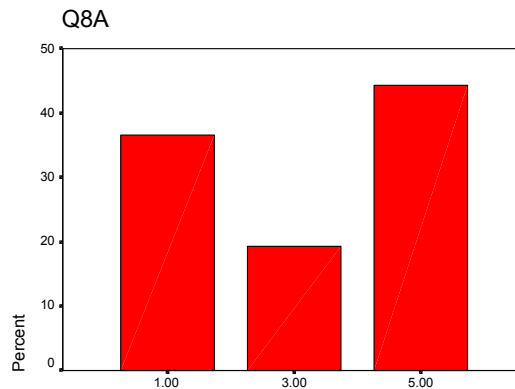
	Frequency	Percent
1.00	4	7.8
3.00	6	11.8
5.00	41	80.4
Total	51	100.0



Q7A

**Q8A:** My command of English comprehension is not good and I found difficulties in understanding the textbook, lecture and the questions in tests and quizzes.

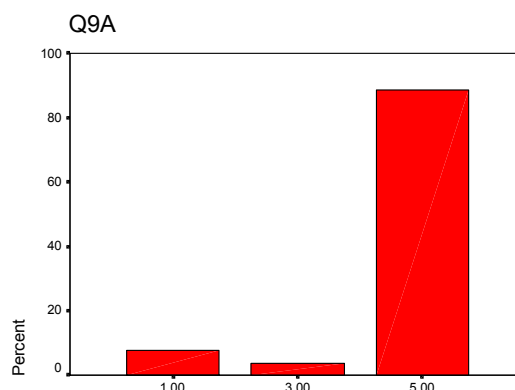
	Frequency	Percent
1.00	19	36.5
3.00	10	19.2
5.00	23	44.2
Total	52	100.0



Q8A

**Q9A:** The textbook helped me learn thermodynamics better than if there is no textbook.

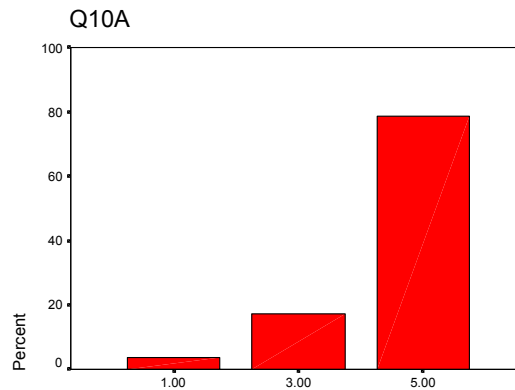
	Frequency	Percent
1.00	4	7.7
3.00	2	3.8
5.00	46	88.5
Total	68	100.0



Q9A

Q10A: The problems at the end of each chapter are very useful to increase comprehension.

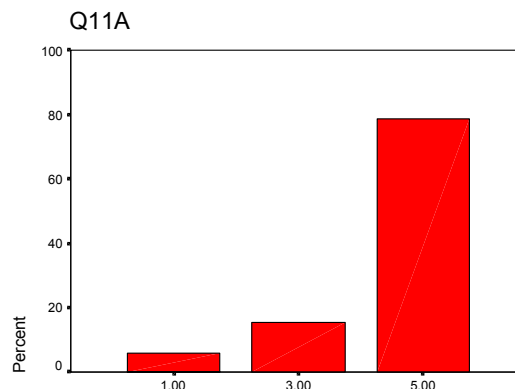
Frequency	Percent
1.00	2 3.8
3.00	9 17.3
5.00	41 78.8
Total	52 100.0



Q10A

Q11A: The structure (format) for this class had force me to work harder than I would normally do.

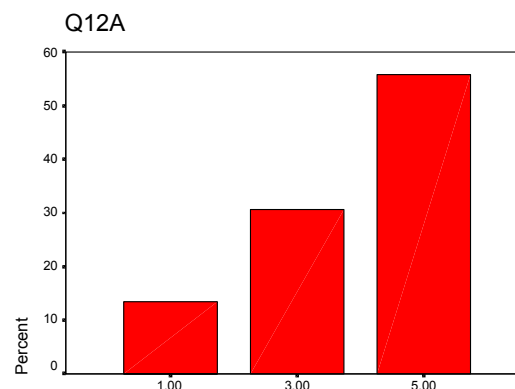
Frequency	Percent
1.00	3 5.8
3.00	8 15.4
5.00	41 78.8
Total	52 100.0



Q11A

Q12A: The structure (format) for this class has helped me to focus my learning better.

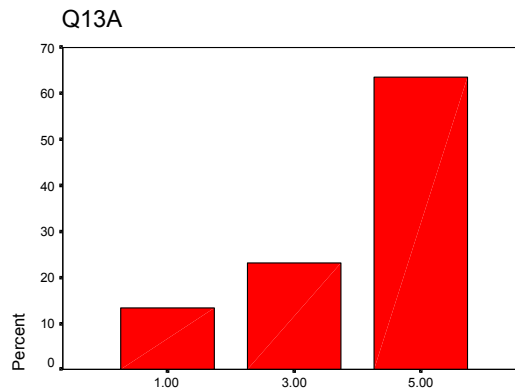
Frequency	Percent
1.00	7 13.5
3.00	16 30.8
5.00	29 55.8
Total	52 100.0



Q12A

Q13A: I always do my reading and submit my reading assignment on time.

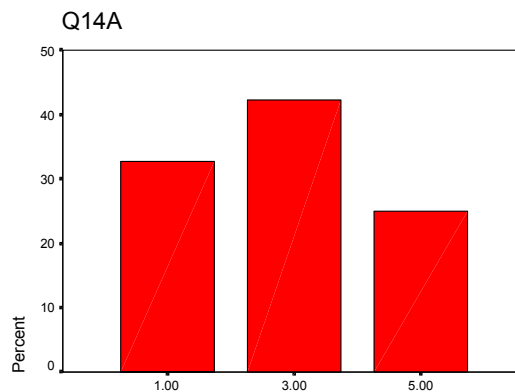
	Frequency	Percent
1.00	7	13.5
3.00	12	23.1
5.00	33	63.5
Total	52	100.0



Q13A

Q14A: I always tryout the problem assignment (at the end of the chapter) and submit them on time.

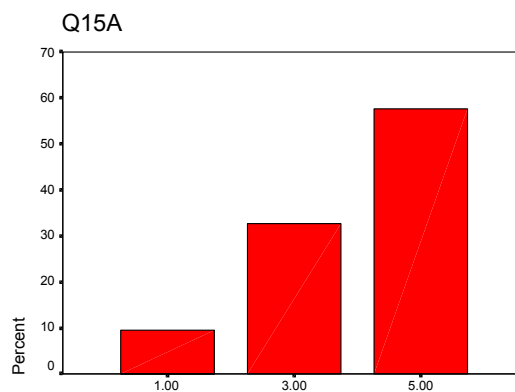
	Frequency	Percent
1.00	17	32.7
3.00	22	42.3
5.00	13	25.0
Total	52	100.0



Q14A

Q15A: I always do my preparation before my consultation with the lecturer on Fridays and Sundays.

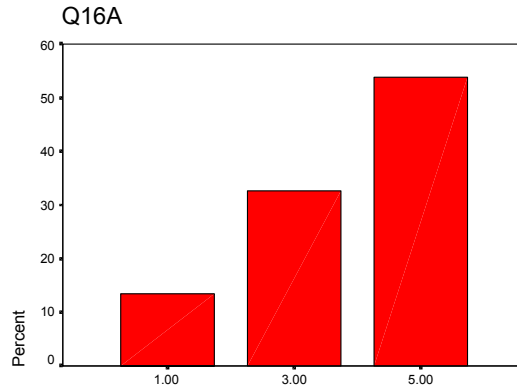
	Frequency	Percent
1.00	5	9.6
3.00	17	32.7
5.00	30	57.7
Total	52	100.0



Q15A

**Q16A:** Before and after consultation periods with the lecturer, I always read and assess my understanding by using the self-assessment provided.

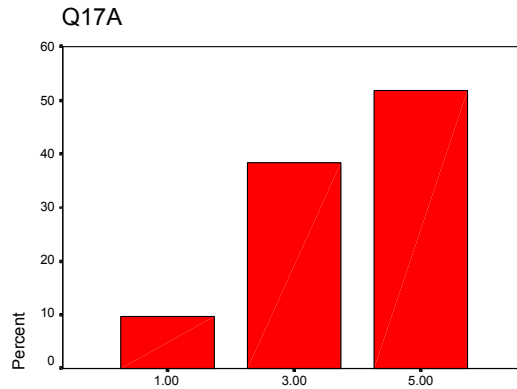
	Frequency	Percent
1.00	7	13.5
3.00	17	32.7
5.00	28	53.8
Total	52	100.0



Q16A

**Q17A:** When I am not a facilitator, I always assess my understanding by using the self-assessment provided, before and after peer discussion.

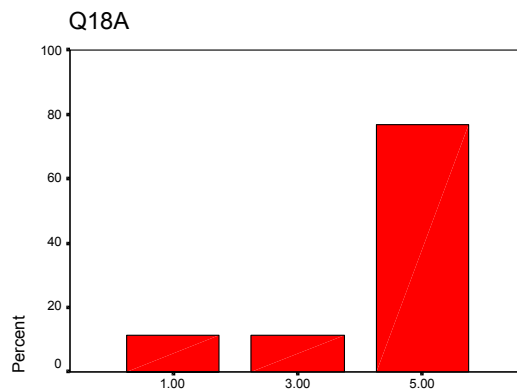
	Frequency	Percent
1.00	5	9.6
3.00	20	38.5
5.00	27	51.9
Total	52	100.0



Q17A

**Q18A:** Sending my self-assessment to the lecturer by using email and file attachment is useful in making me learn the use of ICT.

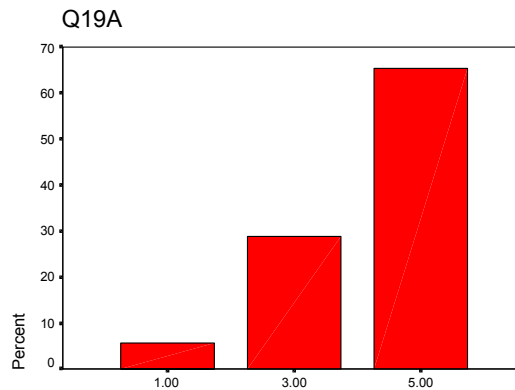
	Frequency	Percent
1.00	6	11.5
3.00	6	11.5
5.00	40	76.9
Total	52	100.0



Q18A

Q19A: The self-assessment materials developed by the lecturer is an important tool and must be developed in other courses to help students identify their strength and weaknesses.

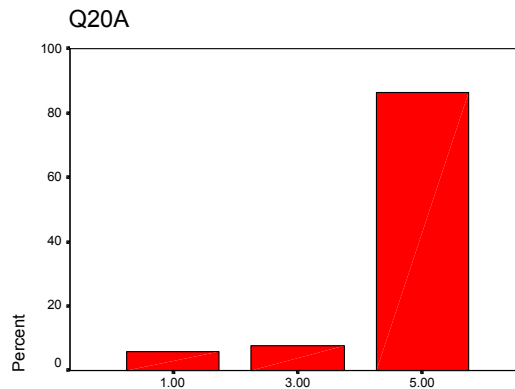
Frequency	Percent
1.00	3 5.8
3.00	15 28.8
5.00	34 65.4
Total	52 100.0



Q19A

Q20A: Obtaining information about this course is very easy because the course outline, the due dates, events dates and all the necessary documents are available on the lecturer's website.

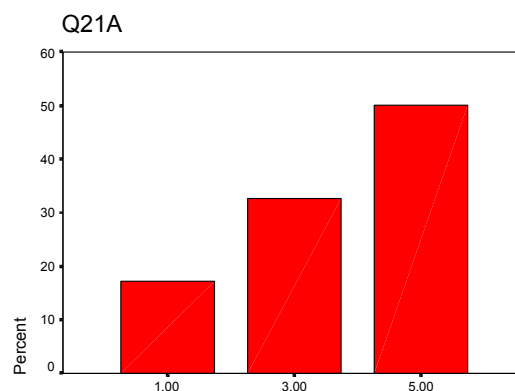
Frequency	Percent
1.00	3 5.8
3.00	4 7.7
5.00	45 86.5
Total	52 100.0



Q20A

Q21A: I feel that utilizing the world-wide-web and using email must be utilized in all courses to facilitate learning.

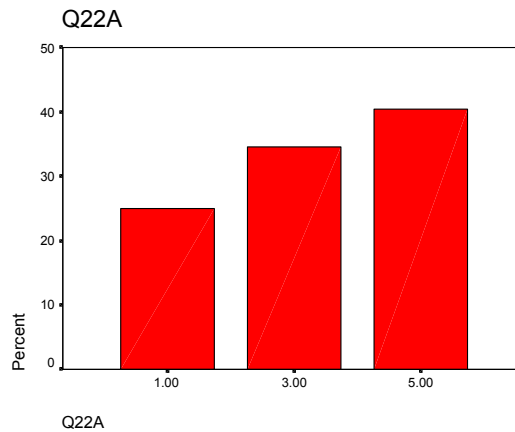
Frequency	Percent
1.00	9 17.3
3.00	17 32.7
5.00	26 50.0
Total	52 100.0



Q21A

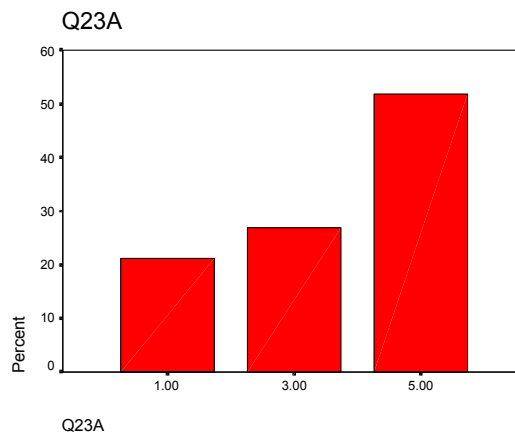
Q22A: I always ask questions during consultancy, during peer-lecturing and during lecture hour.

	Frequency	Percent
1.00	13	25.0
3.00	18	34.6
5.00	21	40.4
Total	52	100.0



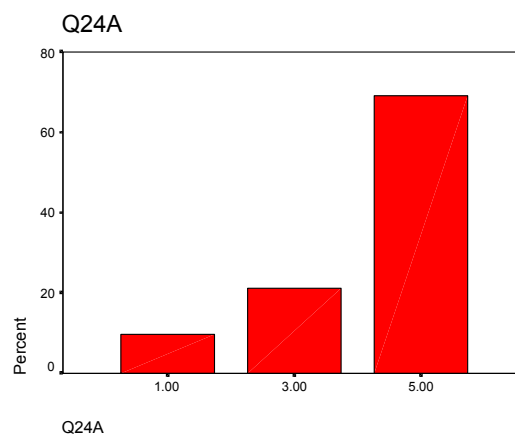
Q23A: I always discuss with my peers outside the classroom regarding the topic of the week.

	Frequency	Percent
1.00	11	21.2
3.00	14	26.9
5.00	27	51.9
Total	52	100.0



Q24A: The reading assignment is a very good exercise for me in preparing myself for class.

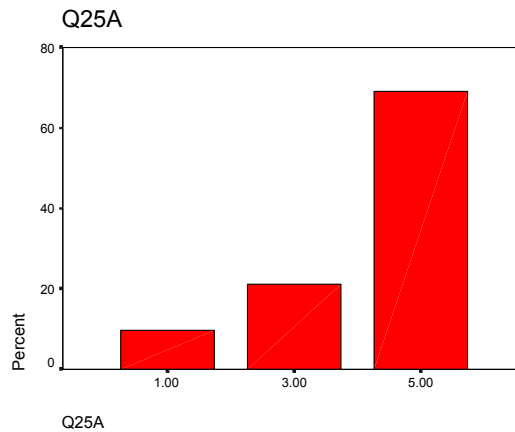
	Frequency	Percent
1.00	5	9.6
3.00	11	21.2
5.00	36	69.2
Total	52	100.0





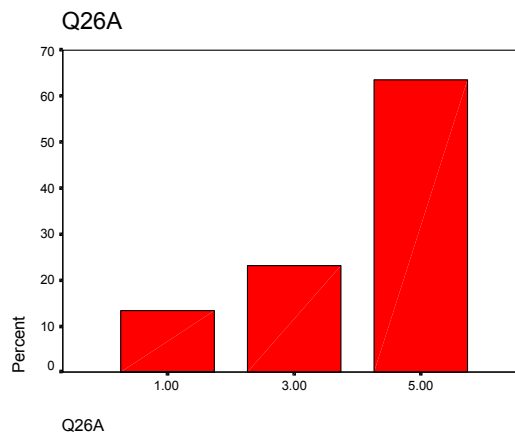
Q25A: The consultancy, peer-discussion is a very effective method in preparing myself before class.

	Frequency	Percent
1.00	5	9.6
3.00	11	21.2
5.00	36	69.2
Total	52	100.0



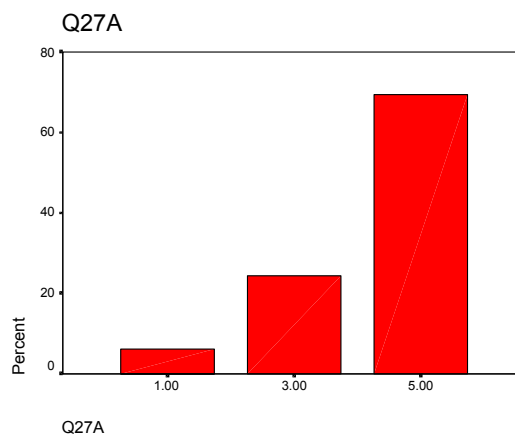
Q26A: The lectures after peer discussion helped made the learning easier.

	Frequency	Percent
1.00	7	13.5
3.00	12	23.1
5.00	33	63.5
Total	52	100.0



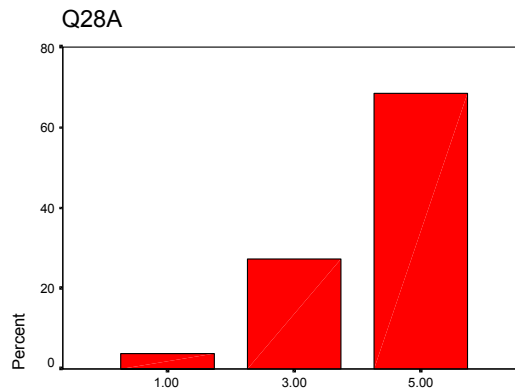
Q27A: I have worked very hard in this class to get good grade.

	Frequency	Percent
1.00	3	6.1
3.00	12	24.5
5.00	34	69.4
Total	49	100.0



Q28A: I have worked very hard to ensure understanding of the subject matter.

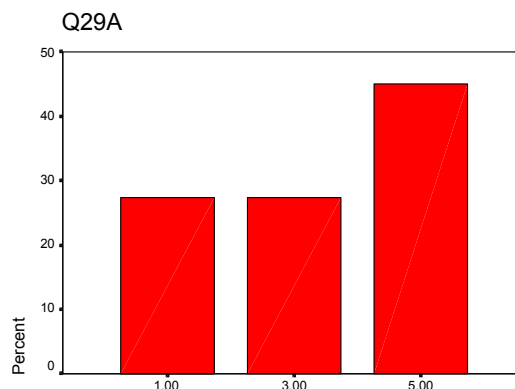
Frequency	Percent
1.00	2 3.9
3.00	14 27.5
5.00	35 68.6
Total	51 100.0



Q28A

Q29A: The learning format for this class should be employed in other science classes.

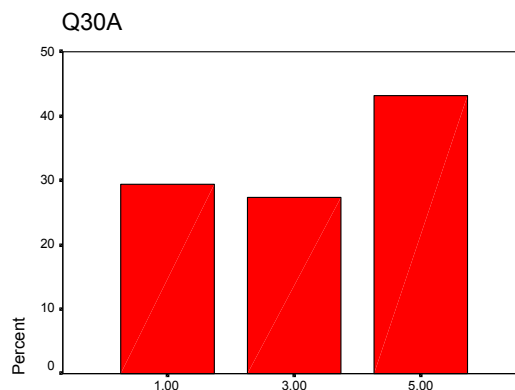
Frequency	Percent
1.00	14 27.5
3.00	14 27.5
5.00	23 45.1
Total	51 100.0



Q29A

Q30A: The class should be held for only three hours and not five hours.

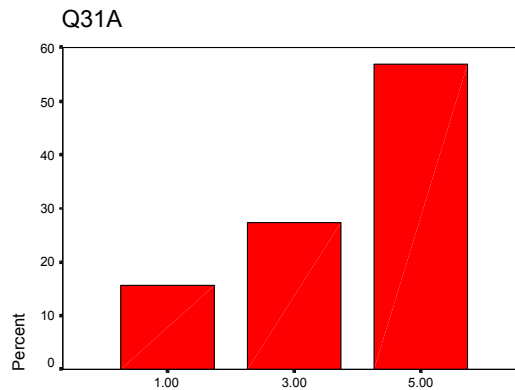
Frequency	Percent
1.00	15 29.4
3.00	14 27.5
5.00	22 43.1
Total	51 100.0



Q30A

Q31A: I feel that the consultations with the lecturer in order to train facilitators are necessary.

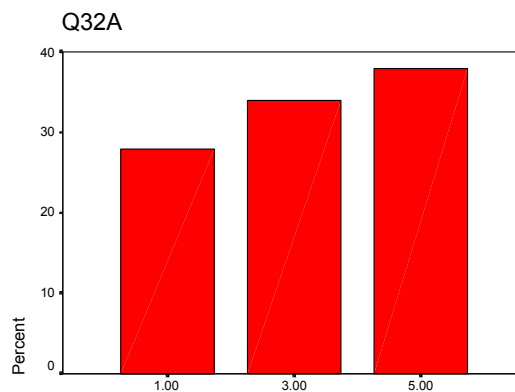
	Frequency	Percent
1.00	8	15.7
3.00	14	27.5
5.00	29	56.9
Total	51	100.0



Q31A

Q32A: I feel that the consultations with the lecturer should not be done on Friday afternoons and Sundays but the consultations are necessary and should be done only once on Friday.

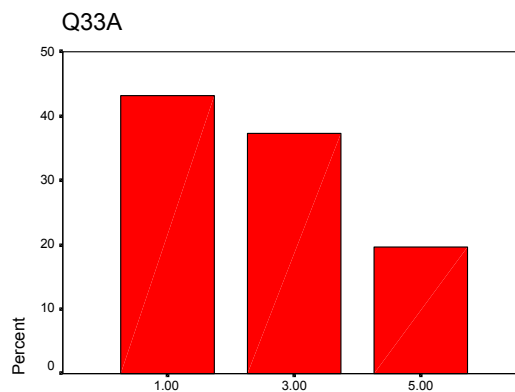
	Frequency	Percent
1.00	14	28.0
3.00	17	34.0
5.00	19	38.0
Total	50	100.0



Q32A

Q33A: I feel that the consultancy, peer-discussion learning cycle format is a waste of time.

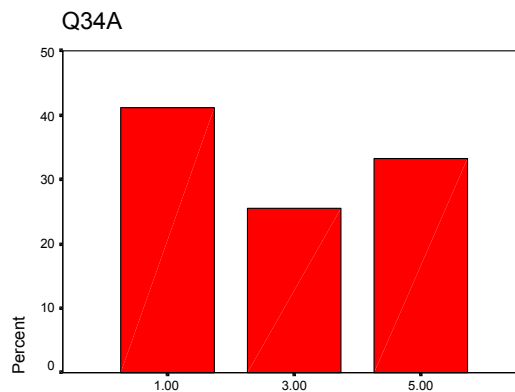
	Frequency	Percent
1.00	22	43.1
3.00	19	37.3
5.00	10	19.6
Total	51	100.0



Q33A

Q34A: I feel that the traditional transmittalist method (lecturer talk in front and student listen and taking notes) is the best way of learning as compared to the peer-facilitating learning-cycle that is presently used for this class.

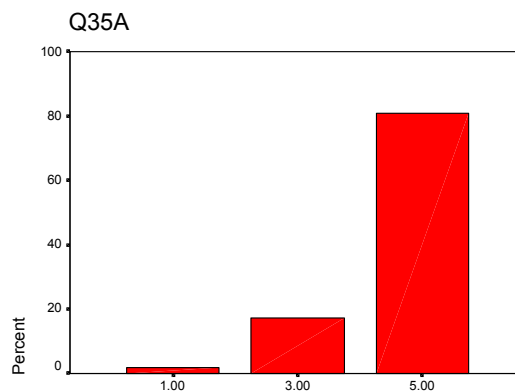
	Frequency	Percent
1.00	21	41.2
3.00	13	25.5
5.00	17	33.3
Total	51	100.0



Q34A

Q35A: The lecturer always arrived on time.

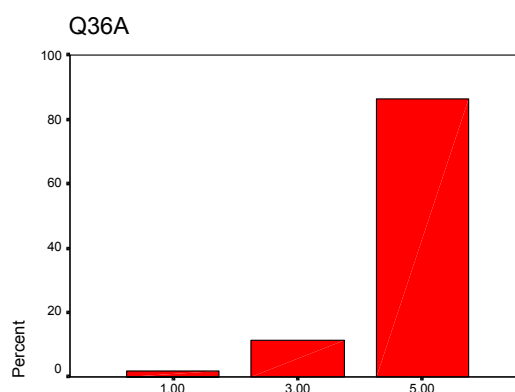
	Frequency	Percent
1.00	1	1.9
3.00	9	17.3
5.00	42	80.8
Total	52	100.0



Q35A

Q36A: The lecturer is always very motivated, enthusiastic and always willing to sacrifice his time for us.

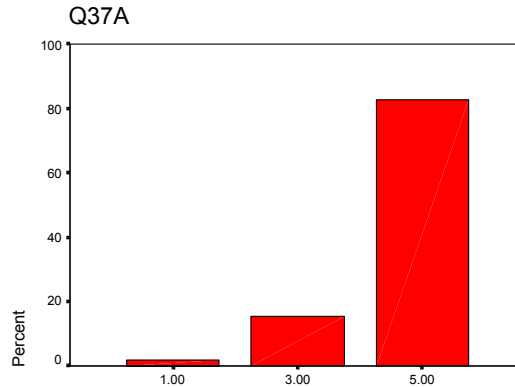
	Frequency	Percent
1.00	1	1.9
3.00	6	11.5
5.00	45	86.5
Total	52	100.0



Q36A

Q37A: The lecturer had worked very hard in preparing materials for us and helping us learn the subject matter.

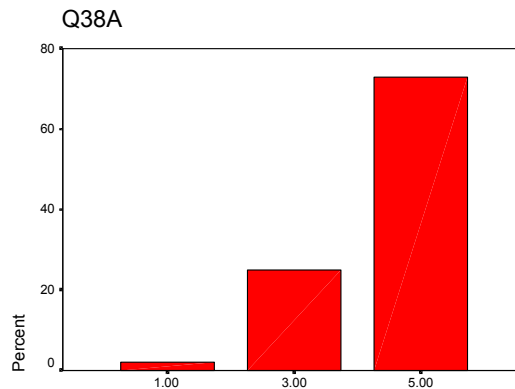
	Frequency	Percent
1.00	1	1.9
3.00	8	15.4
5.00	43	82.7
Total	52	100.0



Q37A

Q38A: The lecturer is always very patient in answering our questions during consultation and during lecture hour.

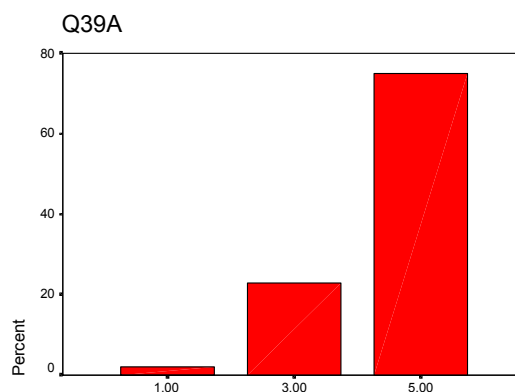
	Frequency	Percent
1.00	1	1.9
3.00	13	25.0
5.00	38	73.1
Total	52	100.0



Q38A

Q39A: The lecturer always explained the materials clearly during consultancy and during lecture.

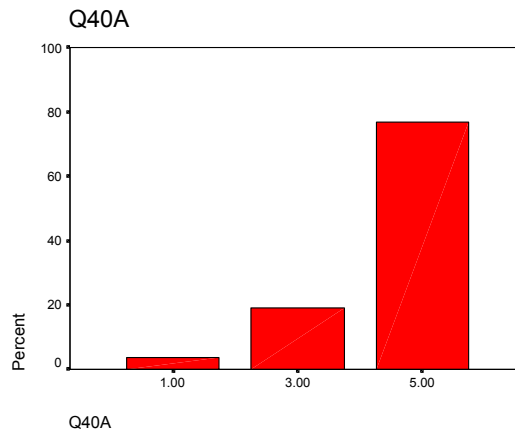
	Frequency	Percent
1.00	1	1.9
3.00	12	23.1
5.00	39	75.0
Total	52	100.0



Q39A

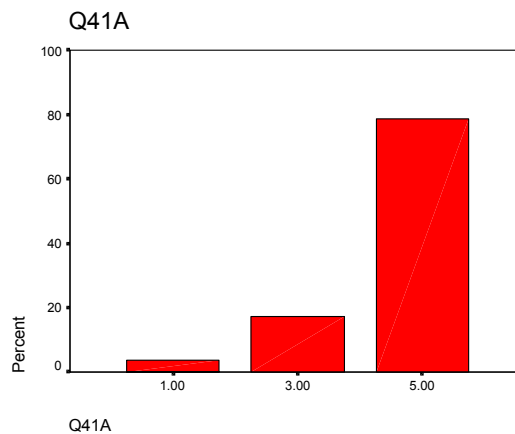
Q40A: The lecture materials are organized and legible from where I sit in the classroom.

	Frequency	Percent
1.00	2	3.8
3.00	10	19.2
5.00	40	76.9
Total	52	100.0



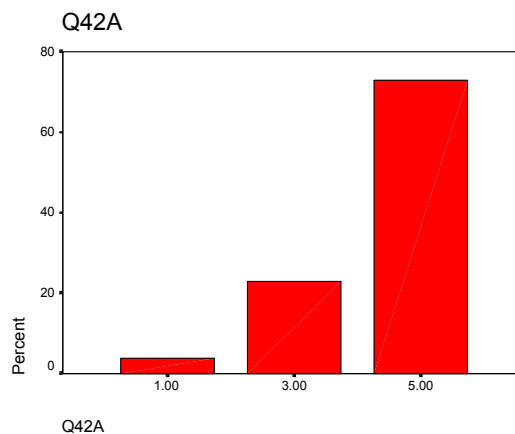
Q41A: The lecturer's voice can be heard clearly from where I sit in the classroom.

	Frequency	Percent
1.00	2	3.8
3.00	9	17.3
5.00	41	78.8
Total	52	100.0



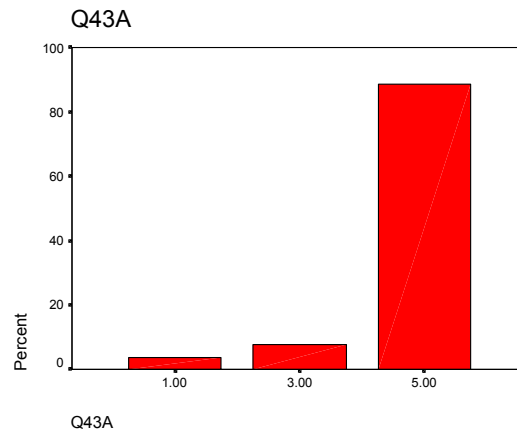
Q42A: The lecturer presents his lectures in very interesting manner and always joke around in between.

	Frequency	Percent
1.00	2	3.8
3.00	12	23.1
5.00	38	73.1
Total	52	100.0



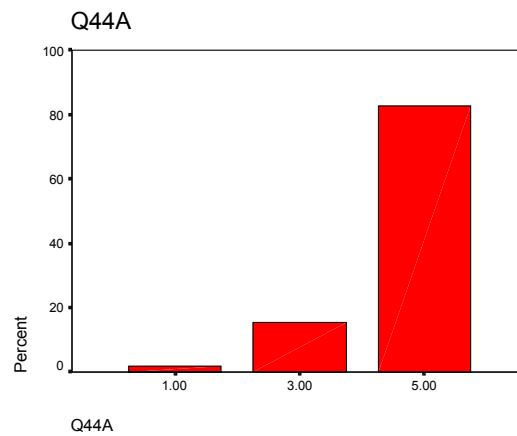
Q43A: The lecturer is very confident and has a good mastery of the topic discussed.

	Frequency	Percent
1.00	2	3.8
3.00	4	7.7
5.00	46	88.5
Total	52	100.0



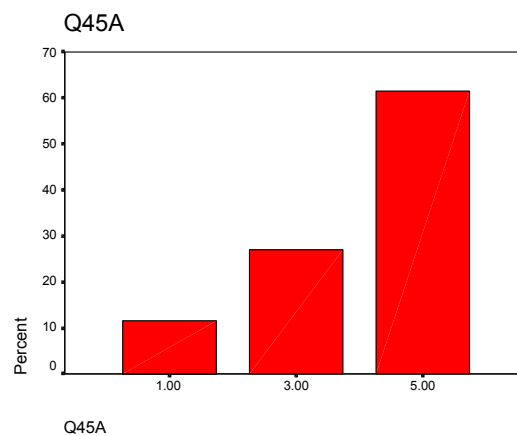
Q44A: The lecturer is very organized with the flow of the content presented.

	Frequency	Percent
1.00	1	1.9
3.00	8	15.4
5.00	43	82.7
Total	52	100.0



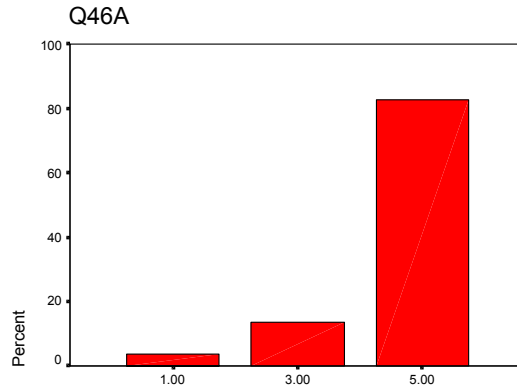
Q45A: The lecturer will always show an example to help make the material more comprehensible.

	Frequency	Percent
1.00	6	11.5
3.00	14	26.9
5.00	32	61.5
Total	52	100.0



**Q46A:** The lecturer will always ask fundamental (basic) questions to test my understanding during consultation and lecture.

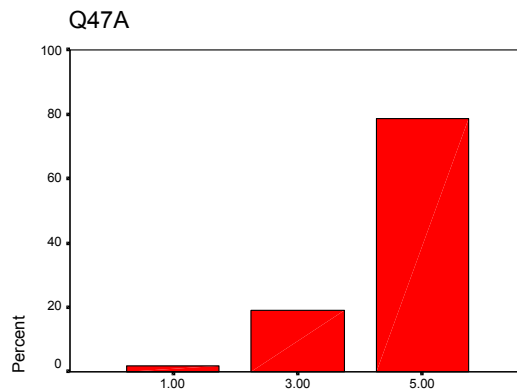
Frequency	Percent
1.00	2 3.8
3.00	7 13.5
5.00	43 82.7
Total	52 100.0



Q46A

**Q47A:** The lecturer will always encourage me to be more open in asking questions and motivate me.

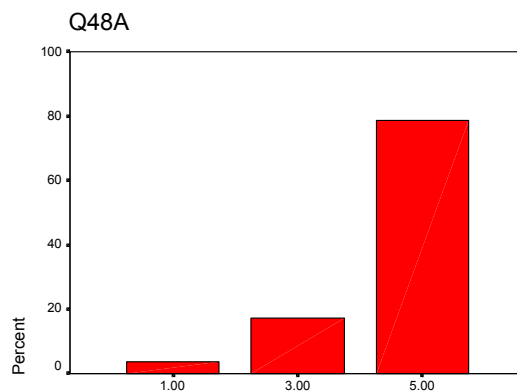
Frequency	Percent
1.00	1 1.9
3.00	10 19.2
5.00	41 78.8
Total	52 100.0



Q47A

**Q48A:** The lecturer has succeeded in imparting valuable knowledge about thermodynamics.

Frequency	Percent
1.00	2 3.8
3.00	9 17.3
5.00	41 78.8
Total	52 100.0

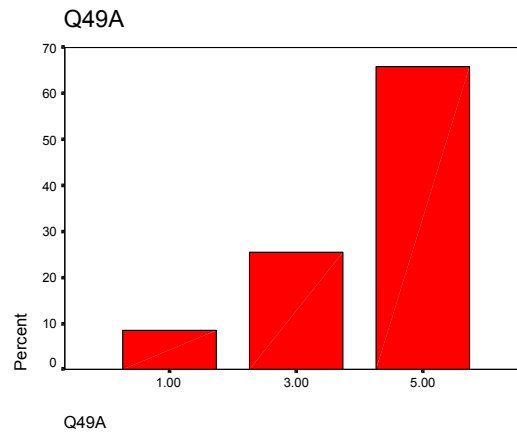


Q48A



Q49A: I look forward to be lectured by this lecturer again in the future.

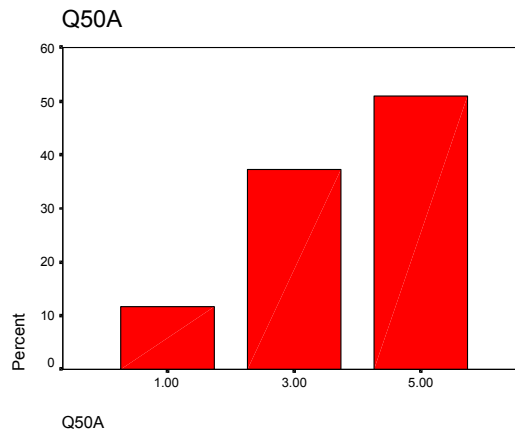
	Frequency	Percent
1.00	4	8.5
3.00	12	25.5
5.00	31	66.0
Total	47	100.0



Q50A: How challenging do you find this course?

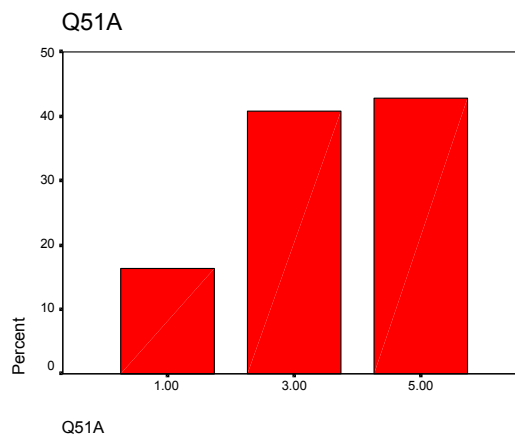
Key: 1=Easy, 3=Just Right, 5=Difficult.

Frequency	Percent
1.00	6 11.8
3.00	19 37.3
5.00	26 51.0
Total	51 100.0



Q51A: How much do you think you have learned in this course compared with other courses you have taken this year? Key: 1= Little 3=A fair amount 5=A lot

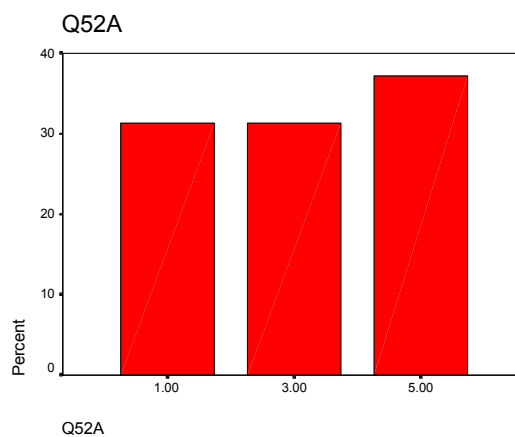
Frequency	Percent
1.00	8 16.3
3.00	20 40.8
5.00	21 42.9
Total	49 100.0



Q52A: How well has this course met your expectations?

Key: 1= Not very well 3=Adequately 5=Very well

Frequency	Percent
1.00	16 31.4
3.00	16 31.4
5.00	19 37.3
Total	51 100.0



**End of Analysis: Thermodynamics CMT251/CMT408: May 02 – Oct 02**  
**Contact Assoc. Prof. DR. J.J. for more info on the evaluation & the analysis.**