End of Semester Course Evaluation

Purpose:

Students evaluate their effort, the learning and teaching methods and the lecturer's performance. The analysis can be used for assessing a lecturer's effort but most importantly for self-improvement in terms of teaching styles and teaching techniques for producing the most effective learning.

Method:

Students respond to statements in the absence of the lecturer. Responses are anonymous. Responses are keyed in and analyzed using both MS Excel and SPSS. For statements 1 through 49, the keys used are:

1 = Strongly disagree   2 = Disagree

3 = Agree   4 = Strongly agree
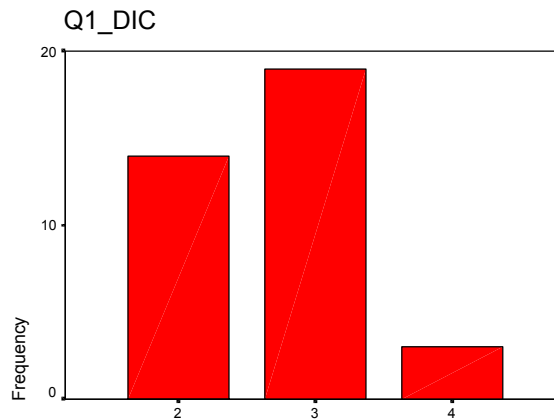
Semester Dec 2002 – April 2003

Course: Thermodynamics CMT 251

Program AS115/4

Lecturer: Assoc. Prof. Dr. Jaafar Jantan

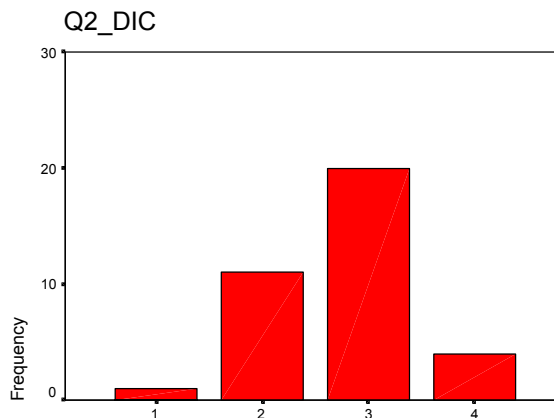Q1A: My conceptual understanding in physics is weak.

	Frequency	Percent
2	14	38.9
3	19	52.8
4	3	8.3
Total	36	100.0

Q1_DIC

Q1_DIC

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

	Frequency	Percent
1	1	2.8
2	11	30.6
3	20	55.6
4	4	11.1
Total	36	100.0

Q2_DIC

Q2_DIC

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

	Frequency	Percent
1	1	2.8
2	21	58.3
3	13	36.1
4	1	2.8
Total	36	100.0
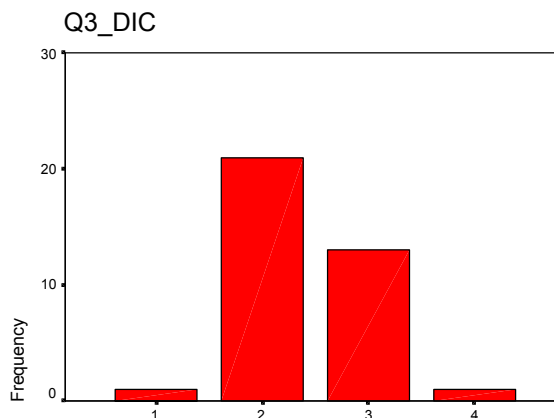
Q3_DIC

Q3_DIC

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

	Frequency	Percent
1	1	2.8
2	21	58.3
3	12	33.3
4	2	5.6
Total	36	100.0
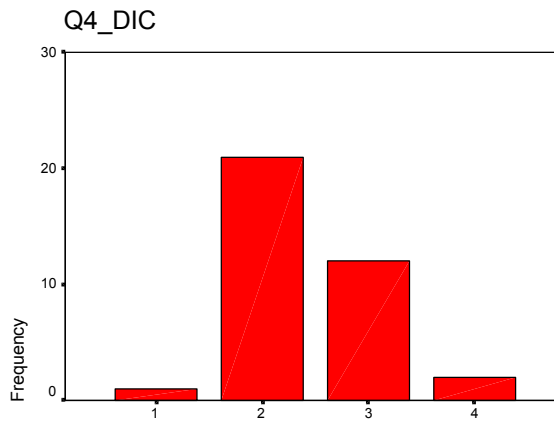
Q4_DIC

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

	Frequency	Percent
2	14	38.9
3	20	55.6
4	2	5.6
Total	36	100.0
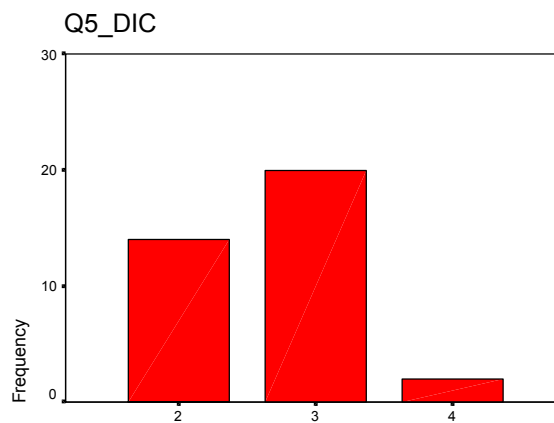
Q5_DIC

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

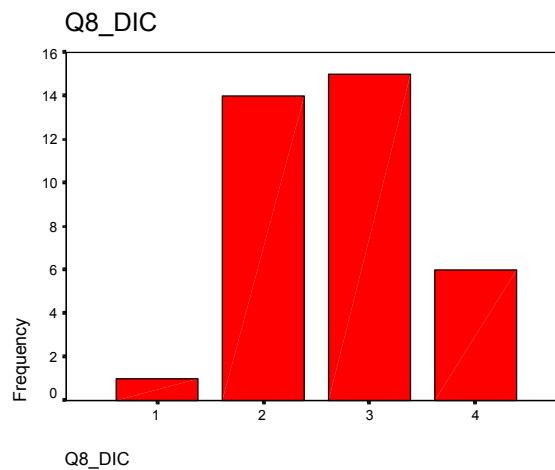|	Frequency	Percent
1	1	2.9
2	5	14.3
3	26	74.3
4	3	8.6
Total	35	100.0
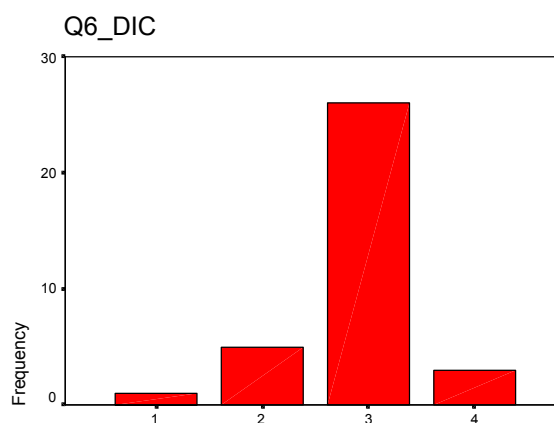
Q6_DIC

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.

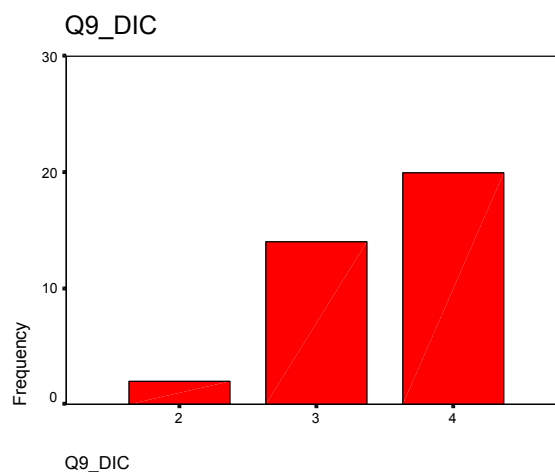|	Frequency	Percent
1	1	2.8
2	7	19.4
3	17	47.2
4	11	30.6
Total	36	100.0
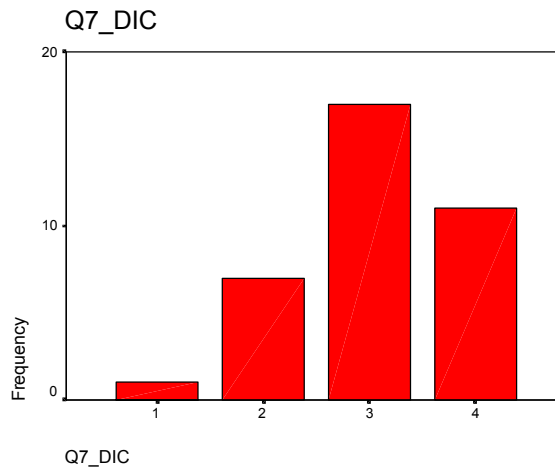
Q8A: My command of English comprehension is not good and I found difficulties in understanding the textbook, lecture and the questions in tests and quizzes.

	Frequency	Percent
1	1	2.8
2	14	38.9
3	15	41.7
4	6	16.7
Total	36	100.0

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

	Frequency	Percent
2	2	5.6
3	14	38.9
4	20	55.6
Total	36	100.0

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

	Frequency	Percent
2	3	8.8
3	21	61.8
4	10	29.4
Total	34	100.0

Q10_DIC

Q10_DIC
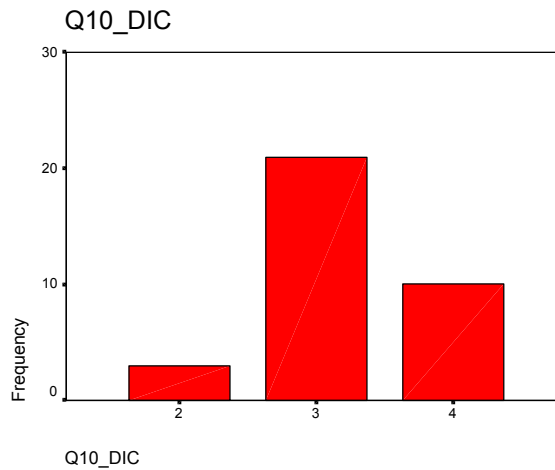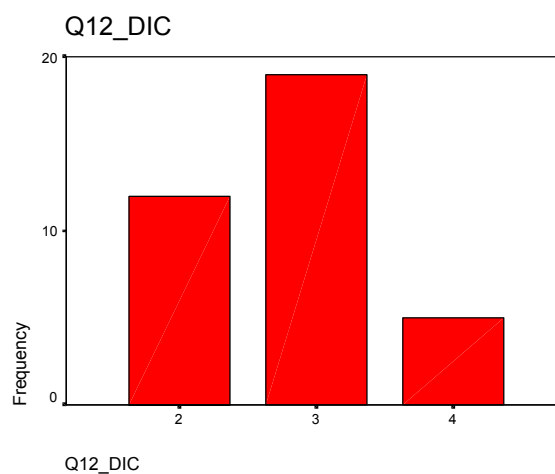
Q11A: The structure (format) for this class had force me to work harder than I would normally do.

	Frequency	Percent
2	3	8.3
3	13	36.1
4	20	55.6
Total	36	100.0

Q11_DIC

Q11_DIC
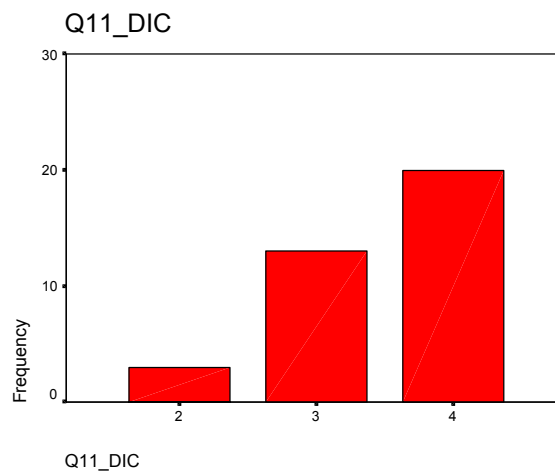
Q12A: The structure (format) for this class has helped me to focus my learning better.

	Frequency	Percent
2	12	33.3
3	19	52.8
4	5	13.9
Total	36	100.0

Q12_DIC

Q12_DIC

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

	Frequency	Percent
2	15	41.7
3	18	50.0
4	3	8.3
Total	36	100.0
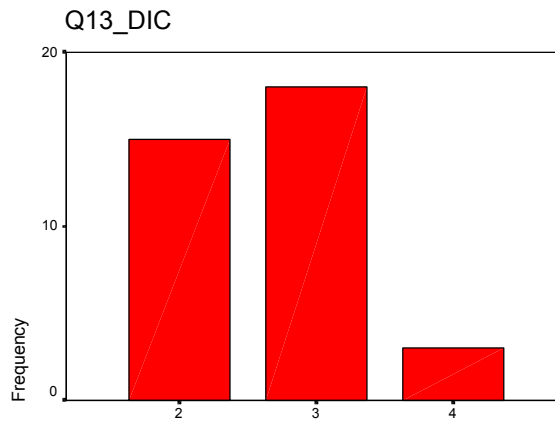
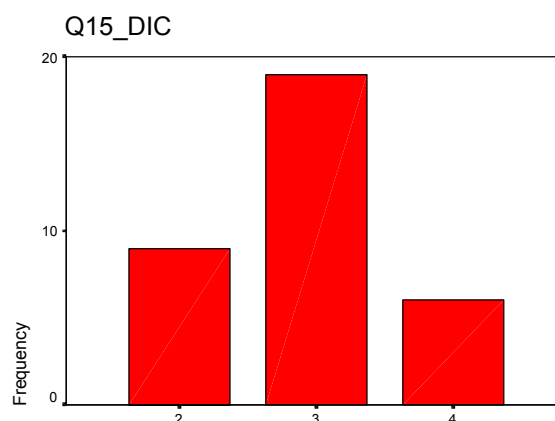Q14A: I always tryout the problem assignment (at the end of the chapter) and submit them on time.

	Frequency	Percent
1	2	5.6
2	15	41.7
3	18	50.0
4	1	2.8
Total	36	100.0
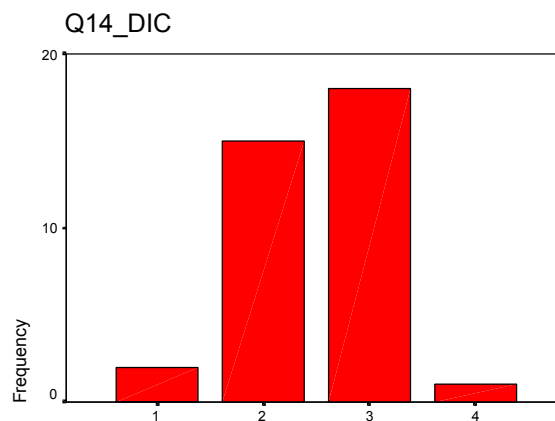
Q15A: I always do my preparation before my consultation with the lecturer on Fridays and Sundays.

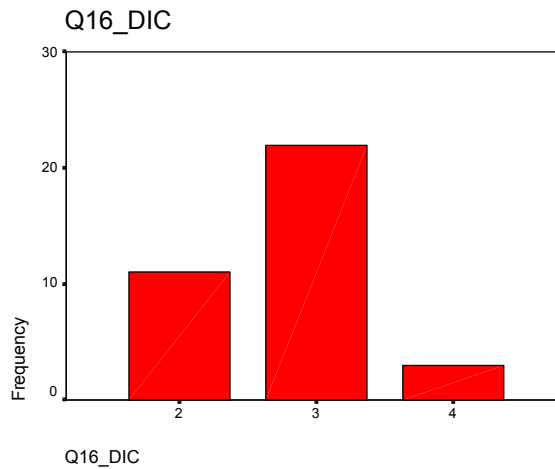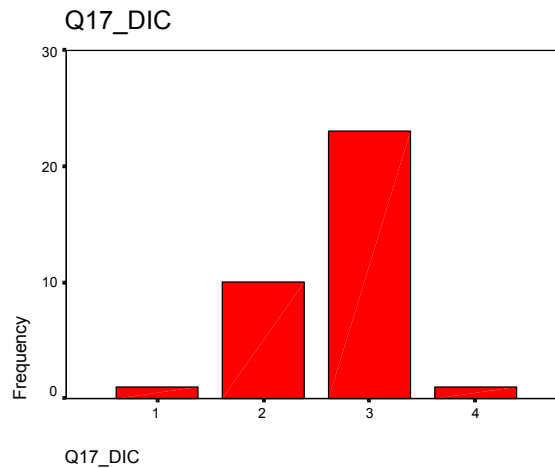|	Frequency	Percent
2	9	26.5
3	19	55.9
4	6	17.6
Total	34	100.0

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

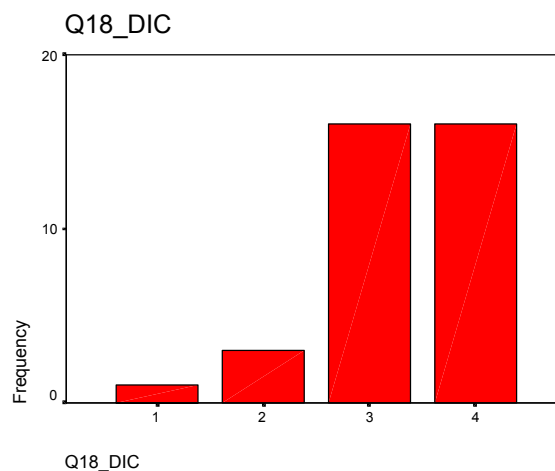|	Frequency	Percent
2	11	30.6
3	22	61.1
4	3	8.3
Total	36	100.0

Q16_DIC

Q16_DIC

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

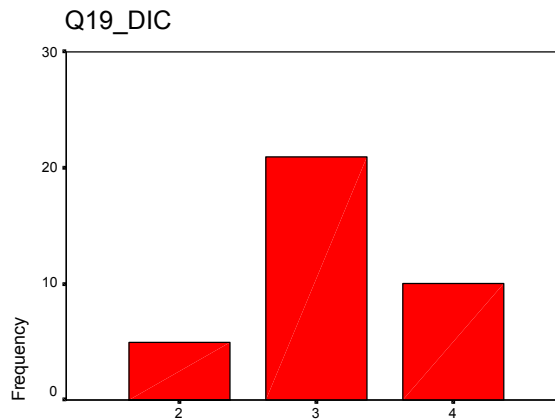|	Frequency	Percent
1	1	2.9
2	10	28.6
3	23	65.7
4	1	2.9
Total	35	100.0

Q17_DIC

Q17_DIC

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	1	2.8
2	3	8.3
3	16	44.4
4	16	44.4
Total	36	100.0

Q18_DIC

Q18_DIC

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.
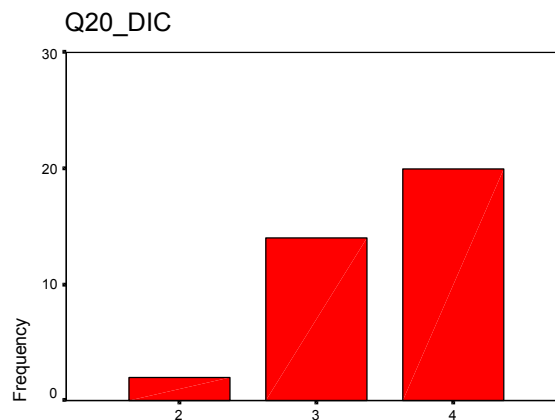
	Frequency	Percent
2	5	13.9
3	21	58.3
4	10	27.8
Total	36	100.0

Q19_DIC

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.
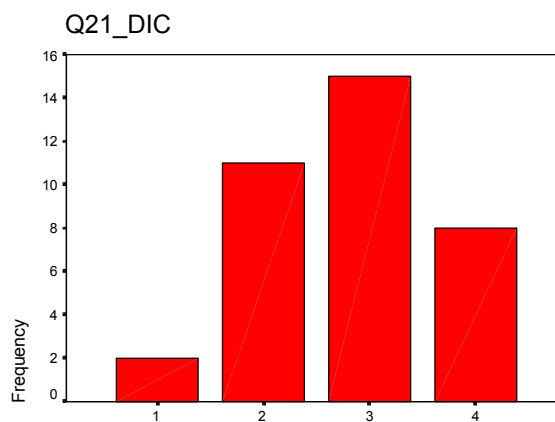
	Frequency	Percent
2	2	5.6
3	14	38.9
4	20	55.6
Total	36	100.0

Q20_DIC

Q21A: I feel that utilizing the world-wide-web and using email must be utilized in all courses to facilitate learning.
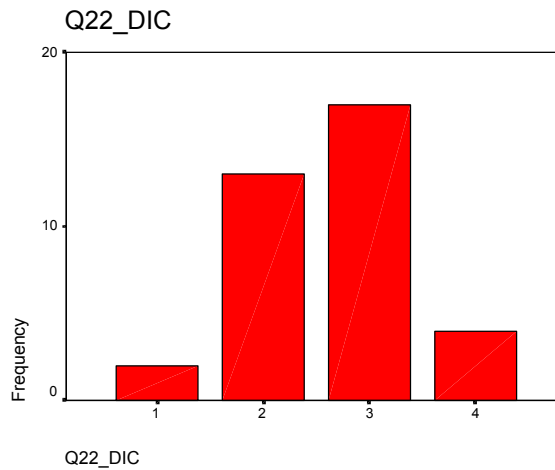
	Frequency	Percent
1	2	5.6
2	11	30.6
3	15	41.7
4	8	22.2
Total	36	100.0

Q21_DIC

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

	Frequency	Percent
1	2	5.6
2	13	36.1
3	17	47.2
4	4	11.1
Total	36	100.0

Q22_DIC

Q22_DIC

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

	Frequency	Percent
1	2	5.6
2	13	36.1
3	18	50.0
4	3	8.3
Total	36	100.0

Q23_DIC

Q23_DIC
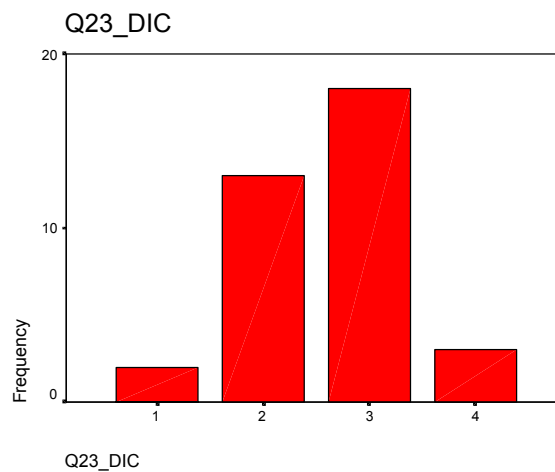
Q24A: The reading assignment is a very good exercise for me in preparing myself for class.

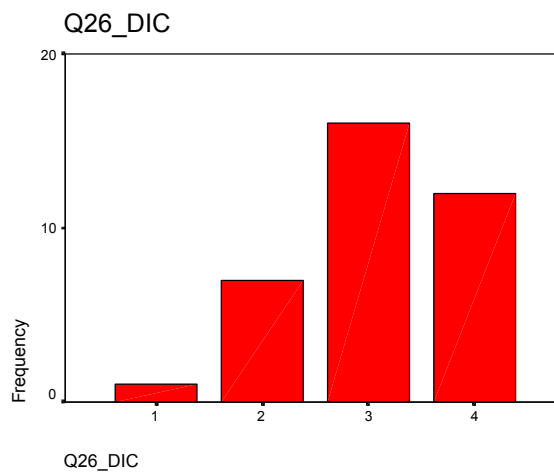|	Frequency	Percent
2	11	30.6
3	17	47.2
4	8	22.2
Total	36	100.0

Q24_DIC

Q24_DIC
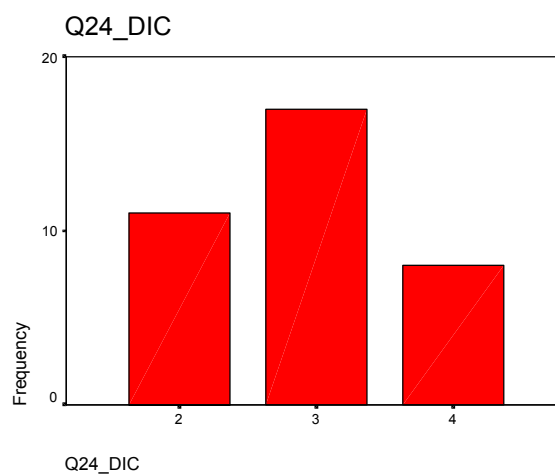
Q25A: The consultancy, peer-discussion is a very effective method in preparing myself before class.

	Frequency	Percent
2	6	16.7
3	19	52.8
4	11	30.6
Total	36	100.0

Q25_DIC

Q25_DIC
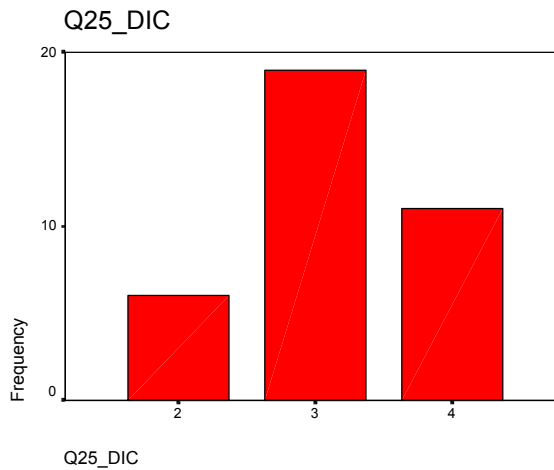
Q26A: The lectures after peer discussion helped made the learning easier.

	Frequency	Percent
1	1	2.8
2	7	19.4
3	16	44.4
4	12	33.3
Total	36	100.0

Q26_DIC

Q26_DIC

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

	Frequency	Percent
2	6	17.1
3	20	57.1
4	9	25.7
Total	35	100.0

Q27_DIC

Q27_DIC
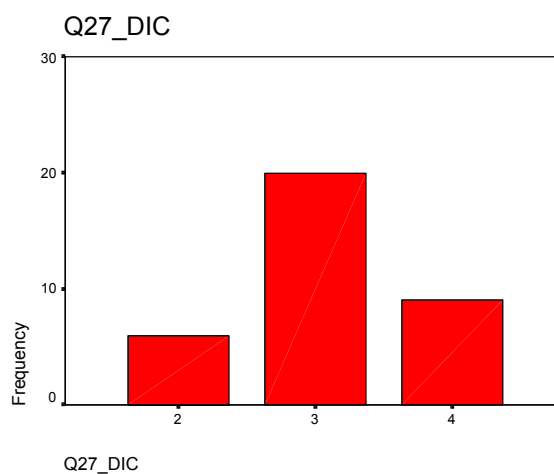
Q28A: I have worked very hard to ensure understanding of the subject matter.

	Frequency	Percent
2	5	13.9
3	20	55.6
4	11	30.6
Total	36	100.0
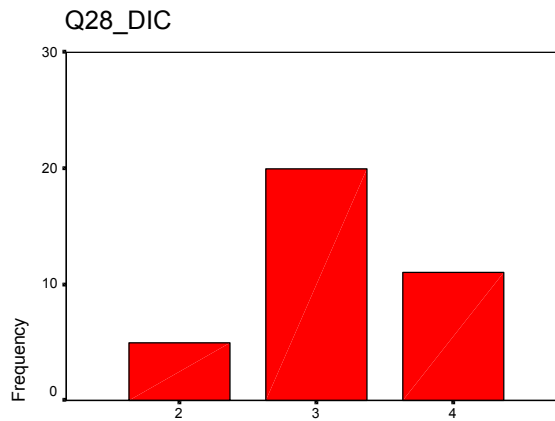
Q28_DIC

Q28_DIC

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

	Frequency	Percent
1	1	2.8
2	16	44.4
3	13	36.1
4	6	16.7
Total	36	100.0
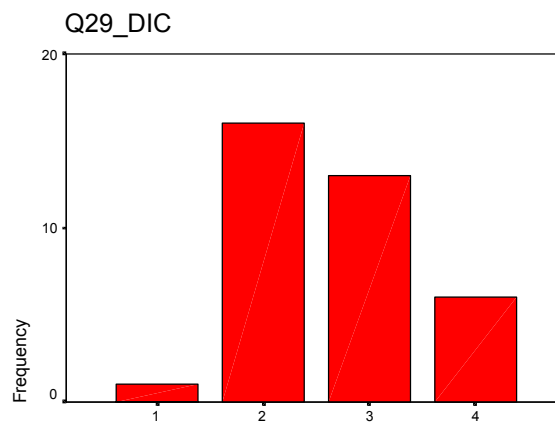
Q29_DIC

Q29_DIC

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

	Frequency	Percent
1	4	11.1
2	12	33.3
3	15	41.7
4	5	13.9
Total	36	100.0
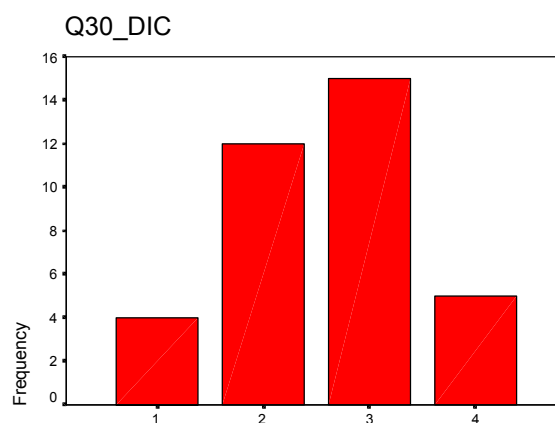
Q30_DIC

Q30_DIC

Q31A: I feel that the consultations with the lecturer in order to train facilitators are necessary.
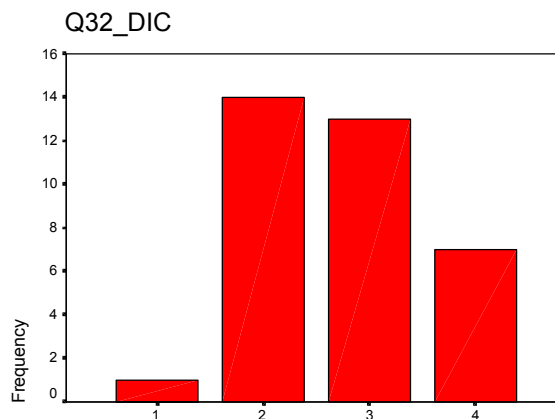
	Frequency	Percent
2	8	22.2
3	17	47.2
4	11	30.6
Total	36	100.0
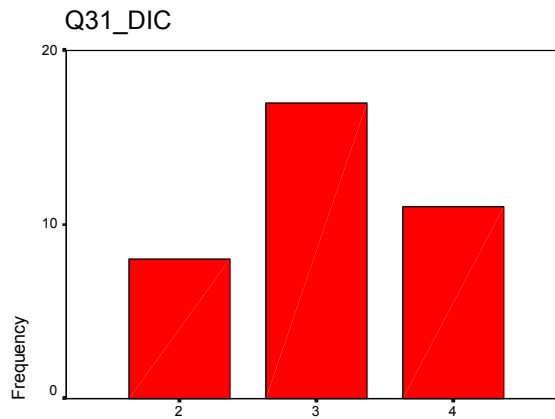
Q31_DIC

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.
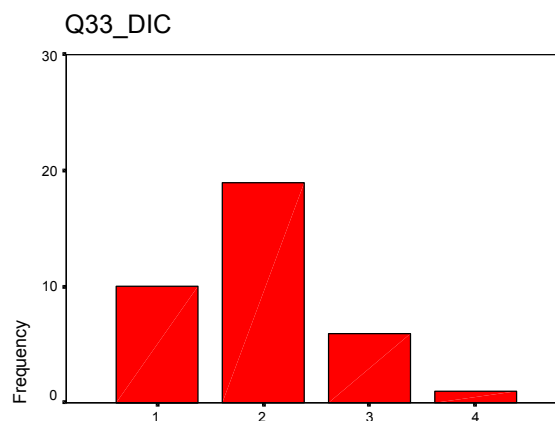
	Frequency	Percent
1	1	2.9
2	14	40.0
3	13	37.1
4	7	20.0
Total	35	100.0

Q32_DIC

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

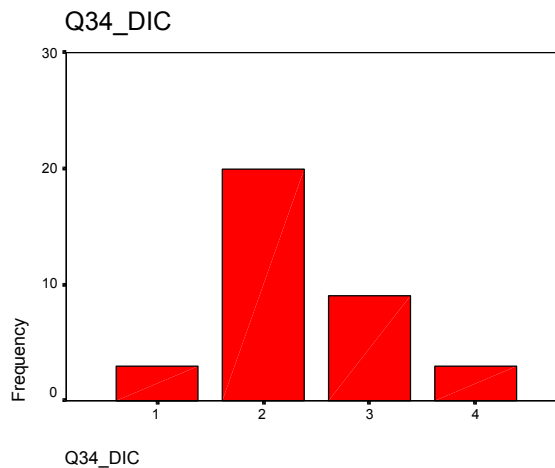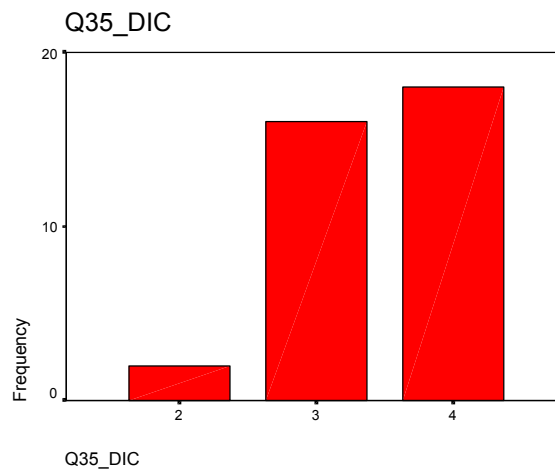|	Frequency	Percent
1	10	27.8
2	19	52.8
3	6	16.7
4	1	2.8
Total	36	100.0

Q33_DIC

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	3	8.6
2	20	57.1
3	9	25.7
4	3	8.6
Total	35	100.0

Q34_DIC

Q35A: The lecturer always arrived on time.

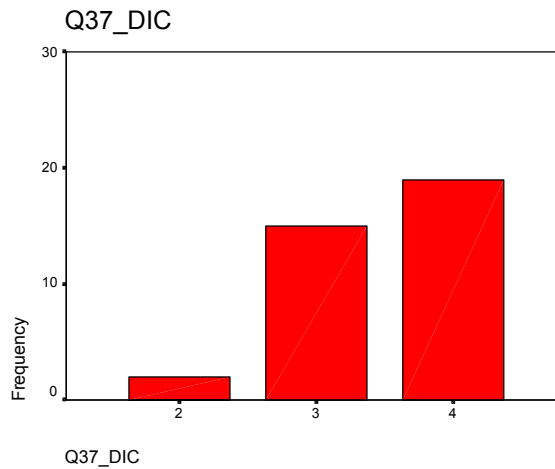|	Frequency	Percent
2	2	5.6
3	16	44.4
4	18	50.0
Total	36	100.0

Q35_DIC

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

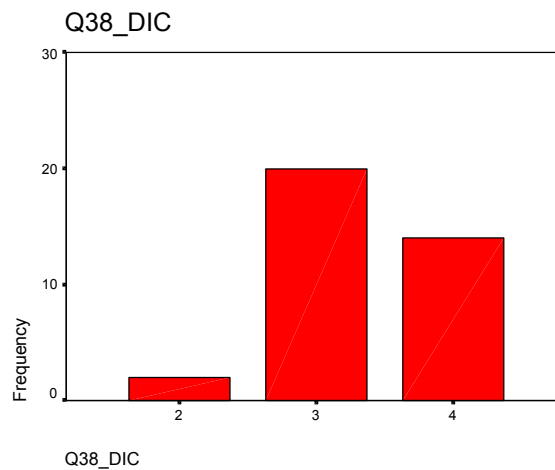|	Frequency	Percent
3	11	30.6
4	25	69.4
Total	36	100.0
Total	52	100.0

Q36_DIC
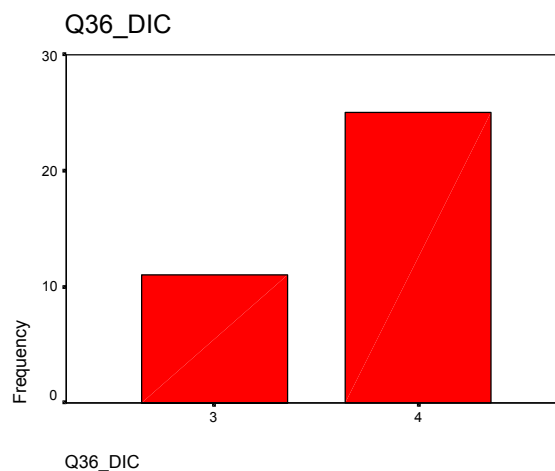
Q37A: The lecturer had worked very hard in preparing materials for us and helping us learn the subject matter.

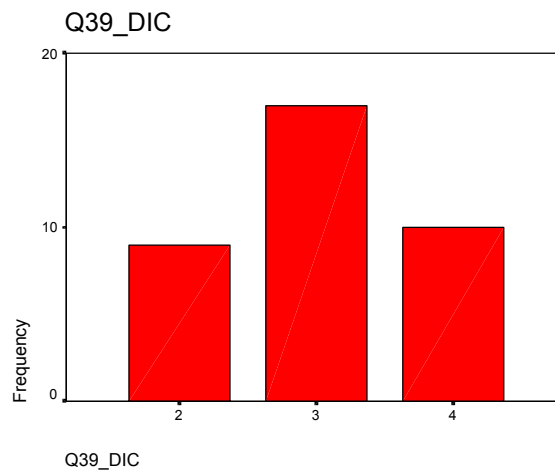|	Frequency	Percent
2	2	5.6
3	15	41.7
4	19	52.8
Total	36	100.0

Q37_DIC

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

	Frequency	Percent
2	2	5.6
3	20	55.6
4	14	38.9
Total	36	100.0

Q38_DIC

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

	Frequency	Percent
2	9	25.0
3	17	47.2
4	10	27.8
Total	36	100.0

Q39_DIC

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

	Frequency	Percent
2	7	19.4
3	17	47.2
4	12	33.3
Total	36	100.0
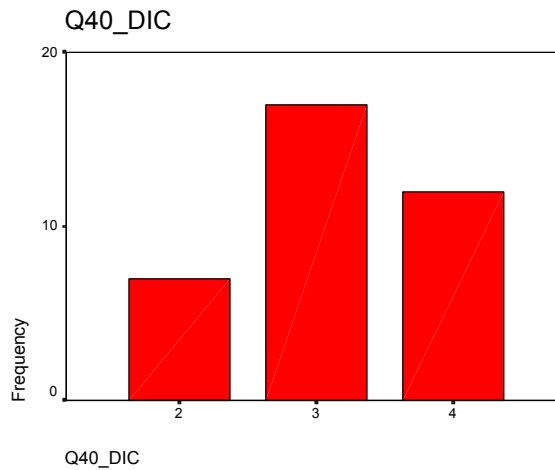
Q41A: The lecturer's voice can be heard clearly from where I sit in the classroom.

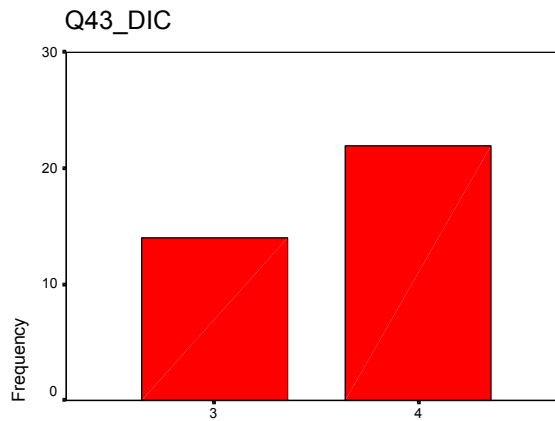|	Frequency	Percent
2	1	2.8
3	12	33.3
4	23	63.9
Total	36	100.0
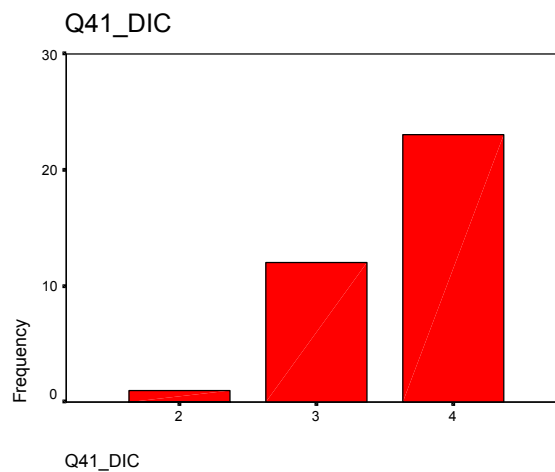
Q42A: The lecturer presents his lectures in very interesting manner and always joke around in between.

	Frequency	Percent
2	4	11.1
3	17	47.2
4	15	41.7
Total	36	100.0
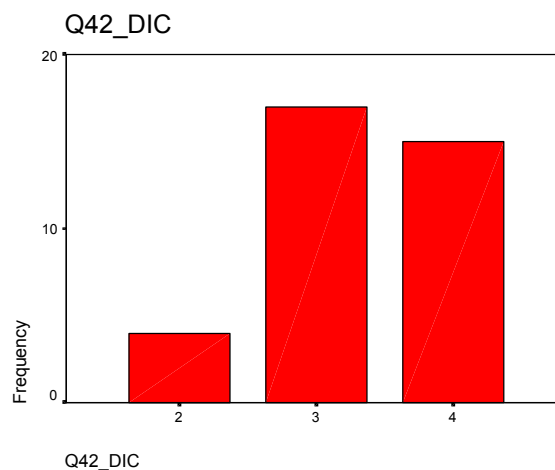
Q43A: The lecturer is very confident and has a good mastery of the topic discussed.

	Frequency	Percent
3	14	38.9
4	22	61.1
Total	36	100.0

Q43_DIC

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

	Frequency	Percent
2	2	5.6
3	16	44.4
4	18	50.0
Total	36	100.0
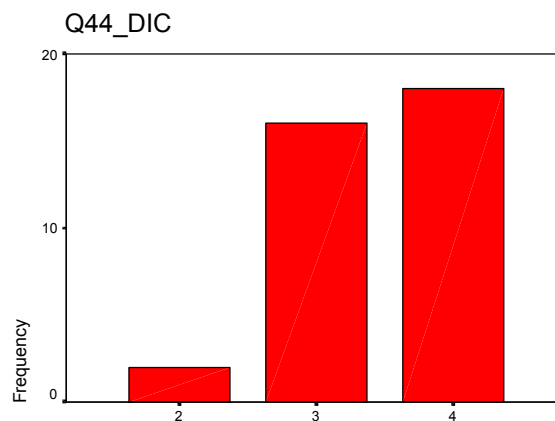
Q44_DIC

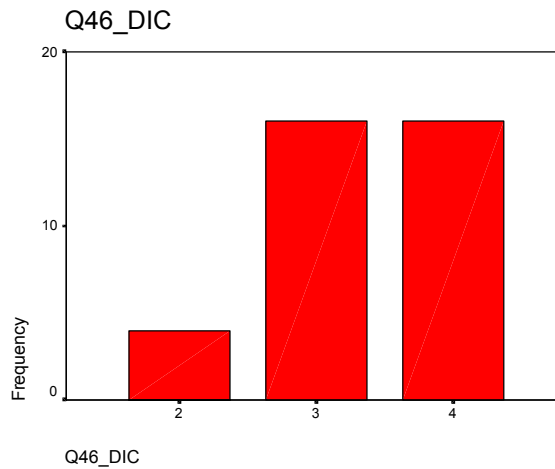Q45A: The lecturer will always show an example to help make the material more comprehensible.

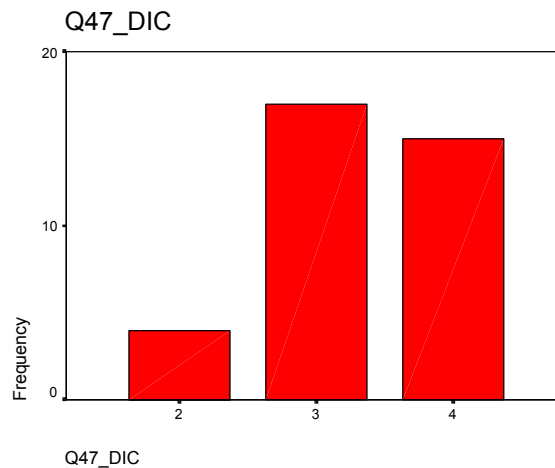|	Frequency	Percent
2	6	16.7
3	21	58.3
4	9	25.0
Total	36	100.0
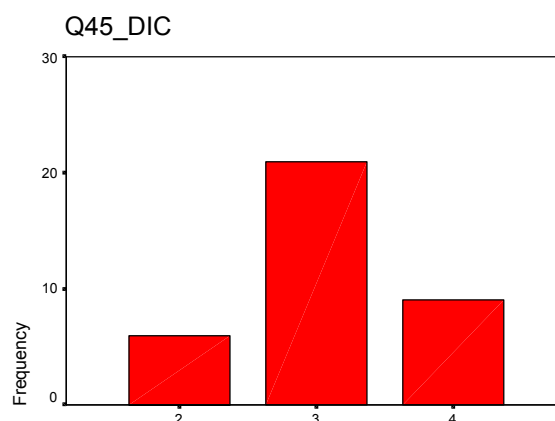
Q45_DIC

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

	Frequency	Percent
2	4	11.1
3	16	44.4
4	16	44.4
Total	36	100.0

Q46_DIC

Q46_DIC

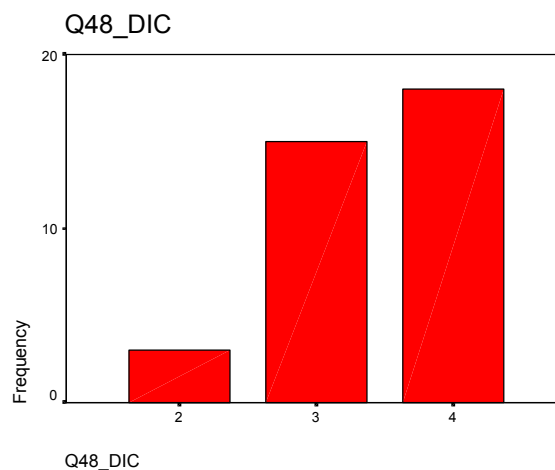Q47A: The lecturer will always encourage me to be more open in asking questions and motivate me.

	Frequency	Percent
2	4	11.1
3	17	47.2
4	15	41.7
Total	36	100.0

Q47_DIC

Q47_DIC

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

	Frequency	Percent
2	3	8.3
3	15	41.7
4	18	50.0
Total	36	100.0

Q48_DIC

Q48_DIC

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

	Frequency	Percent
1	1	3.0
2	5	15.2
3	17	51.5
4	10	30.3
Total	33	100.0

Q49_DIC

Q49_DIC
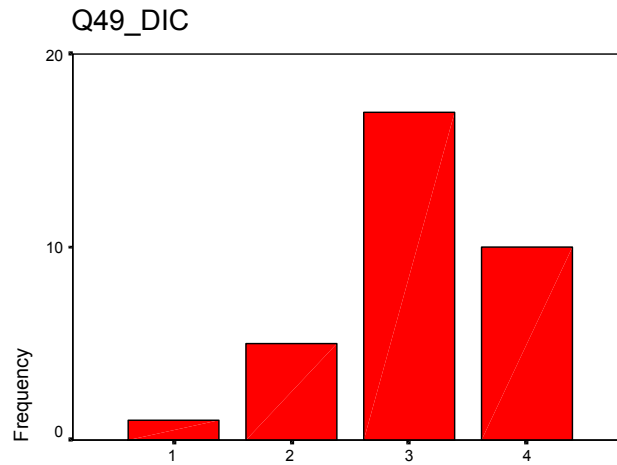
**End of Semester Course
Evaluation-DIC**

Q50A: How challenging do you find this course?
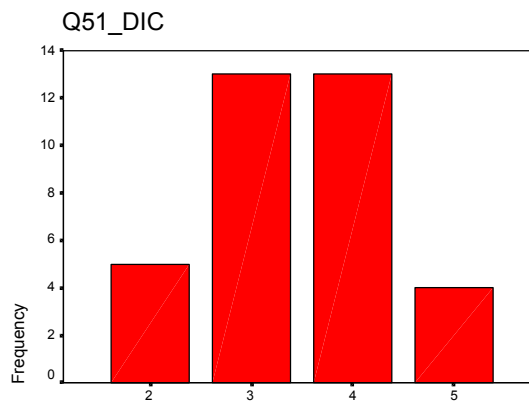Key: 1=Too Easy, 2=A bit easy, 3=Just Right, 4=A bit difficult, 5=Too Difficult.

	Frequency	Percent
2	1	2.8
3	9	25.0
4	21	58.3
5	5	13.9
Total	36	100.0
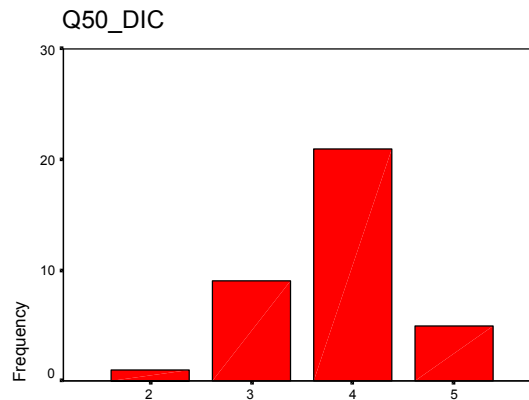
Q51A: How much do you think you have learned in this course compared with other courses you have taken this year?   Key: 1=Almost nothing, 2= Little, 3=A fair amount, 4= Much, 5=A lot
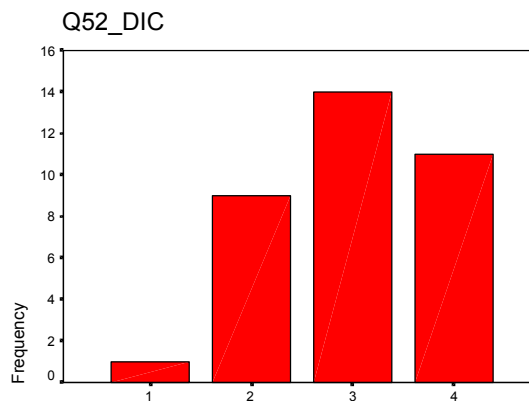
	Frequency	Percent
2	5	14.3
3	13	37.1
4	13	37.1
5	4	11.4
Total	35	100.0

Q52A: How well has this course met your expectations?
Key:1= Not at all, 2=Not very well, 3=Adequately, 4=Well, 5=Very well

	Frequency	Percent
1	1	2.9
2	9	25.7
3	14	40.0
4	11	31.4
Total	35	100.0

**End of Analysis: Thermodynamics CMT251: Dec 02 – Apr 03
Contact Assoc. Prof. DR. J.J. for more info on the evaluation & the analysis.**