**STUDENTS’ RATINGS ON TEACHER**

Faculty Member: TAN TUCK CHOY  
Department: COMPUTER SCIENCE  
Faculty: SCHOOL OF COMPUTING  
Module: DATA STRUCTURES AND ALGORITHMS I - CS1020  
Activity Type: SECTIONAL TEACHING  
Academic Year: 2014/2015  
Semester: 2  
Class Size/Response Size/Response Rate : 180 / 109 / 60.56%  
Contact Session/Teaching Hour : 13 / 26

<table>
<thead>
<tr>
<th>Qn</th>
<th>Items Evaluated</th>
<th>Fac. Member Avg Score</th>
<th>Fac. Member Avg Score Std. Dev</th>
<th>Dept Avg Score</th>
<th>Fac. Avg Score</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(a)</td>
<td>(b)</td>
<td>(c)</td>
<td>(d)</td>
</tr>
<tr>
<td>1</td>
<td>The teacher has enhanced my thinking ability.</td>
<td>4.128</td>
<td>0.060</td>
<td>3.919</td>
<td>(3.919)</td>
</tr>
<tr>
<td>2</td>
<td>The teacher has increased my interest in the subject.</td>
<td>4.000</td>
<td>0.082</td>
<td>3.784</td>
<td>(3.784)</td>
</tr>
<tr>
<td>3</td>
<td>The teacher provided timely and useful feedback.</td>
<td>4.075</td>
<td>0.065</td>
<td>3.845</td>
<td>(3.845)</td>
</tr>
<tr>
<td>4</td>
<td>The teacher has enhanced my ability to communicate the subject material.</td>
<td>3.963</td>
<td>0.071</td>
<td>3.805</td>
<td>(3.805)</td>
</tr>
<tr>
<td>5</td>
<td>The teacher's attitude and approach encouraged me to think and work in a creative and independent way.</td>
<td>4.119</td>
<td>0.055</td>
<td>3.865</td>
<td>(3.865)</td>
</tr>
<tr>
<td>6</td>
<td>The teacher cares about student development and learning.</td>
<td>4.156</td>
<td>0.059</td>
<td>3.924</td>
<td>(3.924)</td>
</tr>
<tr>
<td></td>
<td>Average Q1 to Q6</td>
<td>4.074</td>
<td>0.055</td>
<td>3.857</td>
<td>(3.857)</td>
</tr>
<tr>
<td></td>
<td>Computed Overall Effectiveness of the Teacher.</td>
<td>4.130</td>
<td>0.058</td>
<td>3.916</td>
<td>(3.916)</td>
</tr>
</tbody>
</table>

Notes:
1. A 5-point scale is used for the scores. The higher the score, the better the rating.
2. **Fac. Member Avg Score**: The mean of all the scores for each question for the faculty member.
3. **Fac. Member Avg Score Std. Dev**: A measure of the range of variability. It measures the extent to which a faculty member's Average Score differs from all the scores in the faculty member's evaluation. The smaller the standard deviation, the greater the robustness of the number given as average.
4. **Dept Avg Score**:
   (a) the mean score of same activity type (Sectional Teaching) within the department.
   (b) the mean score of same activity type (Sectional Teaching), at the same module level (level 1000) within the department.
5. **Fac. Avg Score**:
   (c) the mean score of same activity type (Sectional Teaching) within the faculty.
   (d) the mean score of same activity type (Sectional Teaching), at the same module level (level 1000) within the faculty.
FREQUENCY DISTRIBUTION OF RESPONSES ON TEACHER

Faculty Member: TAN TUCK CHOY
Department: COMPUTER SCIENCE
Faculty: SCHOOL OF COMPUTING
Module: DATA STRUCTURES AND ALGORITHMS I - CS1020
Academic Year: 2014/2015
Semester: 2

Frequency Distribution of responses (Qn 1: The teacher has enhanced my thinking ability.)

<table>
<thead>
<tr>
<th>Nos. of Respondents(% of Respondents)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITEM</td>
</tr>
<tr>
<td>----</td>
</tr>
<tr>
<td>Self</td>
</tr>
<tr>
<td>Teachers teaching all Modules of the Same Activity Type (Sectional Teaching), at the same level within Department</td>
</tr>
<tr>
<td>Teachers teaching all Modules of the Same Activity Type (Lecture), at the same level within Faculty</td>
</tr>
</tbody>
</table>
Frequency Distribution of responses (Qn 2: The teacher has increased my interest in the subject.)

<table>
<thead>
<tr>
<th>ITEM/SCORE</th>
<th>5</th>
<th>4</th>
<th>3</th>
<th>2</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self</td>
<td>31 (28.44%)</td>
<td>55 (50.46%)</td>
<td>16 (14.68%)</td>
<td>6 (5.50%)</td>
<td>1 (.92%)</td>
</tr>
<tr>
<td>Teachers teaching all Modules of the Same Activity Type (Lecture), at the same level within Department</td>
<td>81 (21.04%)</td>
<td>174 (45.19%)</td>
<td>104 (27.01%)</td>
<td>18 (4.68%)</td>
<td>8 (2.08%)</td>
</tr>
<tr>
<td>Teachers teaching all Modules of the Same Activity Type (Lecture), at the same level within Faculty</td>
<td>102 (19.58%)</td>
<td>250 (47.98%)</td>
<td>140 (26.87%)</td>
<td>21 (4.03%)</td>
<td>8 (1.54%)</td>
</tr>
</tbody>
</table>
Frequency Distribution of responses (Qn 3: The teacher provided timely and useful feedback.)

<table>
<thead>
<tr>
<th>ITEM SCORE</th>
<th>SELF</th>
<th>TEACHERS TEACHING ALL MODULES OF THE SAME ACTIVITY TYPE (LECTURE), AT THE SAME LEVEL WITHIN DEPARTMENT</th>
<th>TEACHERS TEACHING ALL MODULES OF THE SAME ACTIVITY TYPE (LECTURE), AT THE SAME LEVEL WITHIN FACULTY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>5</td>
<td>4</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>63.55%</td>
<td>50.53%</td>
<td>51.93%</td>
</tr>
<tr>
<td></td>
<td>10.2%</td>
<td>20.26%</td>
<td>24.21%</td>
</tr>
<tr>
<td></td>
<td>2.8%</td>
<td>3.42%</td>
<td>3.28%</td>
</tr>
<tr>
<td></td>
<td>23.36%</td>
<td>63.55%</td>
<td>63.55%</td>
</tr>
<tr>
<td></td>
<td>1.58%</td>
<td>20.26%</td>
<td>20.26%</td>
</tr>
<tr>
<td></td>
<td>6.00%</td>
<td>0.00%</td>
<td>0.00%</td>
</tr>
</tbody>
</table>

Nos. of Respondents (% of Respondents)

- Self: 25 (23.36%) 68 (63.55%) 11 (10.28%) 3 (2.80%) 0 (.00%)
- Teachers teaching all Modules of the Same Activity Type (Lecture), at the same level within Department: 77 (20.26%) 192 (50.53%) 92 (24.21%) 13 (3.42%) 6 (1.58%)
- Teachers teaching all Modules of the Same Activity Type (Lecture), at the same level within Faculty: 100 (19.31%) 269 (51.93%) 126 (24.32%) 17 (3.28%) 6 (1.16%)
What are the teacher's strengths? (66 comments)

Comments from students who gave an average score greater than or equal to 4.5 for the computed overall effectiveness of the teacher

1. He can use various ways such as video, games or online app to help students understand difficult concept, which is helpful and interesting. 2. His teaching is very logically and do not rush.

2. Able to explain the topics clearly and effectively.

3. Clear, both in answering questions and lecturing

4. Gives very clear explanation and goes through examples step by step to ensure that students can understand well :)

5. Good preparation for every lecture (slides, examples etc)

6. He explains the concepts in the materials very well. Adequate preparation of exercises.

7. He made programming more fun for me. I think he did a better job in CS1010 though, but he's still one of the best lecturers around.

8. He makes use of diagrams and examples to illustrate difficult concepts.

9. His lectures are clear. I usually get the concepts in the lecture itself.

10. Lectures are easy to follow

11. Offer prompt help and care about students Interesting lectures conducted using lots of props/programs/visuals. :) 

12. Prof Tan is able to communicate ideas clearly. He occasionally jokes in his lecture, which makes the atmosphere more lively.

13. Very approachable, helpful and very good in teaching in general

14. clear explanation

15. explain clearly

16. very good explanation of difficult concepts

Comments from students who gave an average score greater than or equal 4.0 and less than 4.5 for the computed overall effectiveness of the teacher

1. Able to articulate very well and teaching materials are very well prepared. Manages time well in his lectures

2. Able to explain concepts in a way that is easy to understand
3. Explained concepts very well, helped us bridge this new subject from what we had learned before

4. Good pace of teaching.

5. Has good relationship ties with students, understands their strengths and weaknesses. With that he builds his teaching around these two factors.

6. He is able to utilise online resources well. The resources are organised and could easily be found. He provides good support and is able to answer questions after lecture.

7. He is clear in going through concepts.

8. He is clear in terms of the materials he taught.

9. Helpful, puts in a lot of effort and reaches out to students.


11. Interesting.

12. Introducing the different data structures in a more visual way on slides and real-life demonstrations during lectures.

13. Know his contents well.

14. Lectures are interesting.

15. Master the concept, good way of teaching.

16. Mr Tan is concerned about the students understanding regarding CS1020.

17. Prof Tan's lecture is engaging.

18. Shows enthusiasm when teaching.

19. The teacher is able to teach well within the duration of the semester. He used a few interesting techniques to spark our interest in the subject.

20. Use of visual aids to help students understand certain concepts.

21. Well prepared.

22. Committed and cares about student development and learning.

23. Explains the concept clearly. Always ask the class questions to enhance learning.

24. Funny.


26. He knows his stuff.

27. Helping us to understand the algorithm of each method clearly by going through step by step.
28. humor, straightforward explanation of abstract concept

29. nice and patient

30. nil

31. passionate in teaching and very willing to help students when we are in doubt

32. the explanation is clear

33. very approachable when we have questions to clarify.

**Comments from students who gave an average score greater than or equal 3.5 and less than 4.0 for the computed overall effectiveness of the teacher**

1. Experience

2. Great knowledge on data structures and algorithm

3. He has strong skills and teaches well.

4. He is clear with his concepts. Answer student's questions readily.

5. Mr Tan is friendly and very knowledgeable in the subject he is teaching,

6. Mr. Tan is very kind and always trying to make lecture interesting.

**Comments from students who gave an average score greater than or equal 3.0 and less than 3.5 for the computed overall effectiveness of the teacher**

1. Able to explain the concepts well during the lecture

2. He is knowledgable and can explain in details. patient

3. He is quite humorous.

4. Humor and Command of Language in Lectures

5. N.A

6. Patient

7. Responsible towards his students

8. Very humorous. The atmosphere of the lecture is relaxed and happy.

**Comments from students who gave an average score less than 3.0 for the computed overall effectiveness of the teacher**

1. goes through lecture at a good pace

2. well prepared for lectures, shows examples

**Other Comments from students**

1. He dresses quite formally sometimes.
What improvements would you suggest to the teacher? (55 comments)

Comments from students who gave an average score less than 3.0 for the computed overall effectiveness of the teacher

1. explain the key concepts clearer
2. go slower during lectures, explain more in detail
3. make lecture more interesting

Comments from students who gave an average score greater than or equal 3.0 and less than 3.5 for the computed overall effectiveness of the teacher

1. 1. he could improve on his communication skills in writing. Sometimes i have to read lecture notes/ sit in lab questions a number of times to understand what he means 2. could provide suggested student's answer for programs via IVLE workbin instead of forum. The forum is very messy and no one would like to check it. 3. he could made the sit-in labs for different section fairer. Should not set two sets of questions that are of different difficulty level. For example, how could a problem on integer recursion comparable to one on string recursion? Should consider moderating marks for different sets of question if average are beyond certain range. 4. Please provide answer for past year paper. We have it for CS1010J last semester. Even though he says can discuss it on forum. but again, forum is very very messy.
2. Could explain the concept clearer
3. Exert more control, consistency and professionalism over the questions set for Sit-In Labs and the way it is marked.
4. He should slow down during his lecture as many weaker students are unable to grasp key concepts.
5. N.A
6. None.
7. nil

Comments from students who gave an average score greater than or equal 3.5 and less than 4.0 for the computed overall effectiveness of the teacher

1. He could explain difficult problems more clearly and slow down.
2. Lecture can make lecture notes more concise. I suggest him seperating answers from lecture notes. After lecture, those lecture notes with answers can be released as a reference for students.
3. Should not assume that all students are very well versed in CS1020, could explain the topics much clearer and slowly in lectures.
4. nil
5. nil

Comments from students who gave an average score greater than or equal 4.0 and less than 4.5 for the computed overall effectiveness of the teacher

1. -
2. --
3. Cover more on algorithms too instead of putting majority of the focus on data structures.

4. Explain concepts better

5. Have notes available for students that are not in lecture slide form

6. He should illustrate his concepts through drawing. It was really difficult and I need other TA to help me with it.

7. Highlight important stuff in lectures.

8. Lab is too hard and bias for SetA/SetB

9. Maybe he can explain certain concepts related to programming in greater detail for many students with no prior programming experience before CS1010.

10. Nil

11. Nil

12. Nil.

13. None

14. Pace of lecture can be a little faster so lectures do not overrun.

15. Perhaps to guide us on drawing while planning our program. For example, helping us understand linkedlist by illustrating more through drawing

16. Sidetrack less

17. Thank you prof Tan. Perhaps slower the pace?

18. The lecture notes could be more detailed.

19. can actually skip some basic concepts and focus more on advanced level stuff

20. could go through a bit faster

21. nil

22. nil

23. nil

24. nil

25. provide more examples for explanation

26. reduce the workload

27. slower please

Comments from students who gave an average score greater than or equal to 4.5 for the computed
overall effectiveness of the teacher

1. -

2. A bit fast at times.

3. I think Prof Tan has done an excellent job overall. Keep it up!

4. Less homework imposed on students.

5. NIL

6. NIL

7. NoSuchElementException

8. Please give us do-able sit-in labs

9. Too much slides/content for each lecture, often have to rush through. Should slow down the pace.

10. Upload the lecture webcast on the same day of the lecture.

11. nil

12. none

Other Comments from students

1. Make the content more interesting
STUDENTS' NOMINATIONS FOR BEST TEACHING

Faculty Member: TAN TUCK CHOY
Department: COMPUTER SCIENCE
Faculty: SCHOOL OF COMPUTING
Academic Year: 2014/2015
Semester: 2
Module Code: CS1020
No of Nominations: 18

2. Nuff said.
3. Very hardworking and dedicated teacher.
4. Passion for teaching
5. I would like to nominate Ivan, a TA from CS1020 instead. He takes time off despite FYP period and help others in CS1020 and CS2100. Also he holds help session from 6pm to 9pm on regular basis. It is hard to find a TA that dedicated in helping students from other classes during outside classroom time. Hence I hoped that he would be able to gain recognition in this area and continue to help future batches of students.
6. I feel that he is really dedicated towards the students he teaches and he really puts in a lot of effort to ensure that we really learn the concepts that he taught.
7. Taught me for 1 year and indeed a good tutor
8. Clear, logical, engaging at times, passionate, lectures are very good as they are very organised and clear and every main point he tries to say during lecture is reflected on the slides which enhances learning, unlike other lecturers.
9. A dedicated teacher who conducts interest-stimulating lectures and is readily answerable to students.
10. Clear explanation and well prepared teaching resources in an efficiently organised and structured manner.