

Effective Teaching Methods among Students of AMA Computer College Cavite Campus, Philippines

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ABSTRACT

The purpose of this study is to determine the effectiveness of various teaching methods used for teaching students at college level. Student's perception and ratings about the interesting and effective teaching methods is a way to suggest improvements in teaching/ learning process. Convenient Sampling method was applied on this study. The researchers used the survey questionnaire method to gather inputs from the students. The main objective of this measurement is to find out which among the different teaching methods is best and interesting for the students. One hundred and fifty undergraduate students studying in AMA Cavite Campus were interviewed about their perceptions of best and effective teaching methods and the reason for that. Most of the students rated lecture method as the best teaching method. Reasons included; teacher provides all knowledge related to topic, time saving, students attentively listen to lecture and take notes etc. The group discussion was rated as the second best method of teaching because of; more participation of students, the learning is more effective, the students don't have to rely on rote learning, and this method develops creativity among students etc. This was focused on effective teaching methods of teachers of AMA Compute College Cavite Campus. The respondents of the study were the selected undergraduate students of AMA. This study will serve as a tool in enhancing the current methodologies used by the instructors of AMA Cavite Campus. This study will help instructors in motivating their students to study hard that utilizing the best and effective method in teaching.

Key words: Teaching methods, Effective, Instructors, Strategies, Students, Effectiveness.

1. INTRODUCTION

Teaching method comprises the principles and methods used for instruction. Some of the commonly used teaching methods include active class participation, recitation, demonstration, memorization and many more, depending upon

the teacher's style [1]. The teaching methods can be chosen depending largely on the information or skill that is being taught. It may also be influenced by the aptitude and enthusiasm of the students. Consistent teaching and learning are the two major aspects of education. The

most accepted criteria for measuring the good quality teaching is by the amount of student learning and taking interest in the same [2]. The teacher-student good learning correlations are high. The students are ratings the course and their overall development during the course. The students who learned more gave their teachers higher ratings [3-5]. This same criterion was also put forth by Thomas Angelo [6] by stating that teaching without learning is just talking.

When deciding the teaching methods for teachers, it must consider the type of students, their background knowledge, educational and personal environment and their learning goals. Many times, field trips help teachers in assisting with outside learning for them as well as the students. The increasing use of technology, like the extensive use of internet over the period of time, has begun to shape the teacher's approach and their roles in the classroom [7]. Newer teaching methods may incorporate television, radio, computer, and other modern devices. Some educators believe that the use of technology, while facilitating learning to some degree, is not a substitute for educational methods that encourage critical thinking and a desire to learn [8].

It is necessary for teachers to teach and remain engaging throughout the course period. It puts a greater level of responsibility on creating lesson plans that truly work. Several teaching methods which are widely used are truly making an effective impact to students [9]. Teachers must choose what method is more appropriate for their student's development. It does not really matter what teaching method they use. Whether new or traditional one, as long as the chosen

teaching method has the purpose to improve the quality of education and involve students in educational process, then it definitely is the best method [10].

This study aims to determine the effectiveness of various teaching methods used for teaching students among students at AMA Computer College Cavite Campus. It also aims to determine the effectiveness of various teaching methods in students' learning, to discover the most interesting and best teaching method in the students' point of view and to find out the reasons for perceiving any teaching method as the interesting and best method.

Research Questions

This main objective of this study is to determine the effectiveness of various teaching methods used for teaching students among students at AMA Computer College Cavite Campus.

This study sought to answers the following questions:

1. What are the various teaching methods utilize by the instructors in teaching?
2. What teaching methods is the least and most effective in teaching strategy used by the instructor?

2. MATERIALS AND METHODS

2.1. Research design

Descriptive mixed method design were utilized, in order to collect data that will be helpful for the study, survey questionnaires were given out to students of AMA Cavite Campus. One hundred fifty students studying from the department of BSCS, BSIT, BSCOE, BSECE and BSBA/BSA were

selected through convenient sampling to seek their opinion about the most effective teaching methods used by their teachers, and the reasons for highly rating a particular teaching method.

2.2. Survey

The respondents were asked to rate different methods of teaching used by their teachers on a scale of 1-5, one being the least important and 5 being the most important teaching method. The results of the study were compiled and analysed by percentage method with reasons.

5-Strongly Agree

4-Agree

3-Slightly Disagree

2-Disagree

1-Strongly Disagree.

2.3. Data analysis

The data provided by the respondents were analysed and observed properly. The results and answers of the questionnaire have been gathered. The results were determined by the use of Average Method.

3. RESULTS AND DISCUSSION

The survey provided some interesting data for the teaching strategies. Most of the students rated lecture method as the best teaching method [11-12]. Reasons included; teacher

provides all knowledge related to topic, it is time saving method; students listen to lecture attentively and take notes etc. The group discussion was rated as the second best method of teaching because of more participation of students, the learning is more effective, the students don't have to rely on rote learning, and this method develops creativity among students etc [13]. Students' perception and ratings about the interesting and effective teaching methods is a way to suggest improvements in teaching/ learning process.

As stated above, 4.67% of the students agreed that Lecture is the best teaching method (table 1). In terms of group discussion 4.42% considered it as way of learning also [14]. On teaching method 3 which includes Individual Presentation of students, 4.21% have chosen it [15]. Teaching Method 4 which includes Assignments, 4.03% considered it as an active way of learning. With Seminar as a teaching method, 4.31% agreed that is an interested method also. When it comes to Brainstorming method, 3.88% of the students [16] agreed that they give their own opinion in class when it comes to this method of teaching. Finally 4.15% of the students stated that Case Study is an active way of learning [17].

Furthermore below are the reasons of students for rating various teaching methods [18] as

Table 1. Rating of Various Teaching Methods.

Teaching Methods	1	2	3	4	5	Average
1. Lecture			15	20	115	4.67
2. Group Discussion		12	10	31	97	4.42
3. Individual Presentation	5	6	19	42	78	4.21
4. Assignments	3	7	40	33	67	4.03
5. Seminars	2	7	14	46	81	4.31
6. Brainstorming	5	10	40	38	57	3.88
7. Case Study		5	35	42	68	4.15

interesting and best teaching methods:

a) Lecture Method

- It is good for long duration class.
- Teachers are well-experienced and have mastery on subject.
- Teachers explain all points and can answer all questions raised by students.
- Teachers discuss the topic in easy language so students can easily understand the topic during the class.
- Time saving; as teachers finish the lectures on time.

b) Group Discussion(GD)

- More active participation of students.
- Students listen to other's opinion & express their opinion.
- After discussion when students give their presentation, teacher corrects their mistakes.

c) Individual Presentation

- It increases confidence among students.
- Students thoroughly understand the topic before providing the presentation

d) Assignment

- It enhances the ability of research on any topic.
- The students study from different mode of education for search topic from different books, websites etc.
- Active learning

e) Seminar

- Provide exposure and chance to meet other people of same profession.

- Motivate and make student active in learning

f) Brainstorming

- Gain knowledge
- More participation of students
- Everyone gets the chance to express their thoughts.

g) Case Study

- Creative thinking is encouraged.
- Students think beyond their knowledge.

4. CONCLUSION

The researcher hope that these findings and the work described here will help build a foundation in determining the best teaching method that can be applied in higher education. Findings of this study suggest that teachers should not rely on one teaching method when it comes to presenting their topics. It was concluded that the study have various methods can be applied in order to help students in motivating them to learn more when it comes to their subjects

5. ACKNOWLEDGEMENT

NA

6. CONFLICT OF INTEREST

NA

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8. REFERENCES

1. Borich, G. D. (1988). *Effective teaching methods*. Pearson Education India.
2. Brekelmans, M., Wubbels, T., & Den Brok, P. (2002). *Teacher experience and the*

- teacher-student relationship in the classroom environment. In *Studies in educational learning environments: An international perspective* (pp. 73-99).
3. Cohen, P. A. (1981). Student Ratings of Instruction and Student Achievement: A Meta-Analysis of Multisection Validity Studies. *Review of Educational Research*, 51, 281-309.
 4. Franklin, J. (2001). Interpreting the numbers: Using a narrative to help others read student evaluations of your teaching accurately. In K. G. Lewis (Ed.), *Techniques and strategies for interpreting student evaluations*. *New Directions for Teaching and Learning*, 87, 85-99. San Francisco, Ca: Jossey-Bass
 5. Theall, M. (n.d.). Students Ratings: Myths vs. Research Evidence. Retrieved 24 July, 2009.
 6. Angelo, T. A. (1999). Doing assessment as if learning matters most. *AAHE Bulletin*, 51(9), 3-6.
 7. Livingstone, S., & Bober, M. (2004). Taking up online opportunities? Children's uses of the Internet for education, communication and participation. *E-Learning and Digital Media*, 1(3), 395-419.
 8. Walker, S. E. (2003). Active learning strategies to promote critical thinking. *Journal of athletic training*, 38(3), 263.
 9. Shreeve, M. W. (2008). Beyond the didactic classroom: educational models to encourage active student involvement in learning. *Journal of Chiropractic Education*, 22(1), 23-28.
 10. DeLong, S. (2009). Teaching methods to encourage independent learning and thinking. *Teaching Methods to Encourage Independent LearningThinking* URL: https://www.westpoint.edu/cfe/Literature/DeLongS_09.pdf [accessed 2018-04-23][WebCite Cache ID 6yu3OuCis].
 11. Safari, M., Yazdanpanah, B., Ghafarian, H. R., & Yazdanpanah, S. (2006). Comparing the effect of lecture and discussion methods on students learning and satisfaction. *Iranian journal of medical education*, 6(1), 59-64.
 12. Ory, J. C. (2001). Faculty thoughts and concerns about student ratings. In K. G. Lewis (Ed.), *Techniques and strategies for interpreting student evaluations*. *New Directions for Teaching and Learning*, no. 87. (pp.3-15). San Francisco, Ca: Jossey-Bass.
 13. Sullivan, RL & McIntosh, N. (1996). *Delivering Effective Lectures*. Retrieved July24, 2008.
 14. Johnson, J. P., & Mighten, A. (2005). A comparison of teaching strategies: lecture notes combined with structured group discussion versus lecture only. *Journal of Nursing Education*, 44(7), 319-322.
 15. Collins, J. (2004). Education techniques for lifelong learning: giving a PowerPoint presentation: the art of communicating effectively. *Radiographics*, 24(4), 1185-1192.
 16. Al-Samarraie, H., & Hurmuzan, S. (2018). A review of brainstorming techniques in higher education. *Thinking Skills and Creativity*, 27, 78-91.
 17. Corcoran, P. B., Walker*, K. E., & Wals, A. E. (2004). Case studies, make-your-case studies, and case stories: a critique of

case-study methodology in sustainability in higher education. *Environmental Education Research*, 10(1), 7-21.

18. Sajjad, S. (2010). Effective teaching methods at higher education level. *Pakistan Journal of Special Education*, 11, 29-43.