

*Original Paper*

# LEARNING ASSESSMENT AMONG COLLEGE STUDENTS AND ITS RELATION TO CLASSROOM PERFORMANCE

Yang YaNan

Emilio Aguinaldo College, Manila, Philippine

3283349086@qq.com

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## **Abstract**

*This paper examines the relationship between learning assessment among college students and classroom performance. It explores the different methods of assessment used in higher education settings, their impact on student learning, and how they influence student performance in the classroom. The study suggests that effective assessment practices enhance student engagement, motivation, and understanding of the subject matter, ultimately leading to improved academic performance. The paper concludes by providing recommendations for educators to implement effective assessment strategies in college classrooms.*

## **Keywords**

*Learning assessment, College students, Classroom performance, Relation/connection*

## **Introduction**

In the field of higher education, students' learning assessment plays an important role. It is not only the core way to measure students' academic achievement, promote teaching innovation and improve the quality of education, but also to stimulate students' enthusiasm for learning and willingness to actively participate in classroom activities. Students' engagement and initiative in the learning process has a direct impact on their learning outcomes. By testing students' mastery of knowledge, academic ability and subject interest, learning assessment can help teachers adjust teaching strategies, stimulate students' interest and enhance their learning enthusiasm, so as to make students more engaged in class. Learning assessments can also provide teachers with useful feedback that can help optimize teaching methods. By assessing students' academic achievements and performance, teachers can understand students' learning characteristics and difficulties, and then adjust the teaching methods and contents (Li, 2024). This feedback mechanism can help teachers identify problems in teaching and provide better

educational resources and support, so as to improve students' learning effectiveness.

## **1. The Influence of Learning Evaluation on Students' Learning**

Learning assessment not only has a significant impact on students' learning motivation, but also can promote students' participation in classroom activities and develop students' analytical skills and critical thinking. Through assessment, students can realize that their efforts will be properly evaluated and gain more motivation and confidence in their progress. At the same time, assessment can also stimulate students' active participation, making them more willing to take the initiative to speak up, ask questions, and seek ways to solve problems. Learning assessments also provide students with the opportunity to exercise their analytical skills and critical thinking by observing and evaluating their academic outcomes, helping them to identify their strengths and weaknesses, and providing targeted support and guidance.

### *1.1 The Impact of Learning Assessment on Students' Learning Motivation*

Learning assessment has a significant influence on students' motivation to learn. When students are aware that their performance will be evaluated, they are more likely to be motivated to engage actively in the learning process. The fear of failure or desire for success can drive students to put in more effort and strive for excellence. By setting clear goals and standards through learning assessment, students are provided with a tangible measure of their achievements, leading to increased motivation to perform well in academic tasks.

### *1.2 The Impact of Learning Assessment on Students' Involvement*

Learning assessment also affects students' level of involvement in classroom activities. When students know that their participation will be assessed, they become more inclined to actively contribute to discussions, ask questions, and seek clarification. This involvement not only enhances their own understanding but also creates a more interactive and engaging learning environment for the entire class. Through regular assessments, teachers can gauge the extent of students' involvement, identify areas of improvement, and provide targeted support accordingly.

### *1.3 The Relationship Between Learning Assessment and Students' Analytical Skills*

Learning assessment can significantly contribute to the development of students' analytical and critical thinking abilities. Certain assessment methods, such as essays, research projects, or presentations, require students to analyze information, evaluate evidence, and construct coherent arguments. These assessments promote higher-order thinking skills and provide students with opportunities to demonstrate their ability to think critically and make informed judgments. Moreover, the feedback received through learning assessment helps students identify their strengths and weaknesses in analytical skills, facilitating further improvements.

## 2. Relationship between Learning Evaluation and Knowledge Mastery

### 2.1 Formative Assessment: The Importance of Tests, Class Discussions and Homework in the Student Learning Process

Formative assessment is an indispensable part of the educational process, which helps teachers to understand the students' learning progress and provide students with targeted guidance. In formative assessment, testing, class discussion and homework play a crucial role.

#### 2.1.1 Tests

As an effective means to evaluate students' understanding of classroom content, test plays an important role. Through the regular implementation of tests, teachers can know the learning status of students in real time, find their shortcomings in knowledge mastery, and then adjust the teaching plan to improve the teaching results. This method helps both teachers and students to accurately grasp the learning progress of students. Like a mirror, tests give teachers and students a clear insight into how students are learning. Tests can not only help teachers grasp students' learning situation, but also stimulate students' learning enthusiasm. Under the pressure of testing, students will keep tense and focused in the learning process, which plays an important role in improving the learning effect. Just like the intense training of athletes before the competition, students will study harder because of the pressure of the test, which helps them to master the knowledge better (Ni, 2024).

At the same time, the test is also a kind of incentive mechanism. When students see their grades improving, they will be more confident, which will further motivate them to study. For students with lower grades, the test can also make them realize their shortcomings, so as to stimulate their motivation to improve. However, teachers should also note that tests are not a panacea. Excessive testing may cause stress to students and affect their physical and mental health. Therefore, teachers should pay attention to moderation and avoid over-reliance on tests when using them.

#### 2.1.2 Class Discussions

Classroom discussion plays a vital role in the learning process of students. It provides a stage for students to demonstrate their understanding and critical thinking skills. In class discussions, students can not only actively participate and express their own views, but also have in-depth interaction with classmates and teachers. This teaching method is conducive to comprehensively improving students' oral expression ability, logical thinking ability and teamwork spirit, laying a solid foundation for their all-round development.

On the one hand, classroom discussion helps to develop students' oral expression ability. During the discussion, students need to express their opinions clearly and explain their reasons. This can not only exercise their language organization ability, but also improve their expression accuracy. On the other hand, classroom discussion is also conducive to developing students' logical thinking ability. In the discussion, students need to analyze and evaluate different viewpoints and put forward their own opinions. This process helps to cultivate students' ability of independent thinking and rational analysis. In addition, class discussion can enhance students' teamwork spirit. In the discussion, students need to

discuss problems with classmates and teachers, listen to the opinions of others, and adjust and improve their own views. This approach helps to cultivate students' good qualities of mutual respect and cooperation. At the same time, class discussion also helps to broaden students' knowledge horizon. In the discussion, students can be exposed to more viewpoints and insights, so as to enrich their knowledge system and improve their overall quality.

### 2.1.3 Homework

Homework allows students to apply what they have learned to practical problems, strengthening their understanding of the knowledge. By completing homework independently, students can consolidate what they have learned in class and develop the ability to learn independently. At the same time, homework also allows parents to understand the learning status of their children, promote home-school cooperation, and pay attention to the growth of students.

## 2.2 Summative Assessment: Exams and Term Papers

In the learning process of students, summative assessment plays a crucial role. It not only helps teachers see how students are progressing, but also tests students' grasp of overall knowledge and their understanding of specific topics. Among them, exams and term papers are two common summative assessment methods. As an important means to evaluate students' knowledge mastery, examination has the following characteristics:

First of all, the wide coverage of the examination can comprehensively test the learning results of students in various subject areas. By setting questions of different subjects and different types of questions, the examination can examine students' knowledge mastery and application ability in various aspects, help to find the weak links in the learning process of students, and provide useful feedback for the subsequent teaching.

Secondly, examinations are time-sensitive and can reflect students' learning status in a specific period. Within a certain period of time, students need to apply their knowledge to cope with the exam, so as to present the learning results of the current stage. This helps students to know their progress in time, and also provides teachers with targeted basis for teaching adjustment. In view of the problems reflected in the examination, teachers can adjust the teaching strategy in time to improve the teaching effect.

Finally, the examination results are objective and can be quantified to analyze students' knowledge level. Through scientific and reasonable test design and scoring standards, the examination can transform students' knowledge mastery into specific scores, which makes the evaluation results more objective. This helps to provide fair and equitable evaluation for students and also provides a reliable basis for educational decisions.

In comparison, the term paper assessment method has obvious advantages. It focuses on the examination of students' research, analysis and writing abilities, requiring students to conduct in-depth research on specific topics, and write an article with independent thinking and unique insights through consulting and analyzing materials. This way is conducive to cultivating students' independent thinking and active exploration ability, and improving their academic accomplishment. In addition, the term

paper evaluation process is more complex and time-consuming, which helps to cultivate students' patience and meticulous quality and improve their comprehensive quality in academic research.

### *2.3 The Impact of Learning Evaluation on Academic Performance*

In the current educational environment, many courses rely solely on final exams as a means of assessment, and whether this method can fully and accurately reflect the actual level of students has been controversial. In contrast, courses with frequent learning assessments tend to show a more accurate and comprehensive picture of student ability. By comparing these two courses, we can not only understand the differences in students' performance in learning assessment, but also explore the reasons for such differences and the impact on students' learning.

First, continuous assessment of learning provides continuous feedback to students. In the traditional final examination mode, students can only get the evaluation results once, while in the course of regular learning assessment, students can get frequent feedback through various forms of assessment activities, so as to better understand their learning situation. This continuous feedback helps students identify their learning gaps in a timely manner and be able to take targeted corrective action. For example, in an advanced mathematics course, students can know their mastery of knowledge points through weekly quizzes, adjust learning strategies in time, and improve learning efficiency. On the contrary, in courses that only rely on final exams, students cannot get feedback on their learning situation in time, and it is difficult to effectively adjust and improve themselves.

Second, a regular course of study assessment can help students identify areas of improvement. Through frequent assessment activities, students can conduct a comprehensive analysis and evaluation of their learning situation. They can identify their possible problems and shortcomings, and identify the direction they need to improve. This kind of awareness is very important for students' learning progress. For example, in a writing course, regular assessment of writing tasks can help students identify weaknesses in their writing, such as grammatical errors or illegible logic. Through the understanding of these problems, students can make targeted improvements to improve their writing level. However, in the courses that only rely on the final exam, students do not have a comprehensive understanding of their learning situation, and it is difficult to accurately find their shortcomings and improve them (Yang & Guang, 2023)

Finally, regular learning assessment courses can also stimulate students' motivation and interest in learning. Frequent assessment activities keep students concerned about their own learning in the whole learning process, and encourage them to actively engage in learning and have a strong interest in learning content. In contrast, courses that rely solely on final exams tend to give students a "test-oriented" mentality, leading them to focus only on test-taking skills and neglect the true understanding and mastery of knowledge. In the case of regular assessment courses, students need to participate in various assessment activities. This active participation enables them to have a deeper understanding of the learning content and increase their learning motivation.

### 3. Learning Assessment Methods and Implementation

In the process of measuring academic achievement and ability, expert evaluation has always occupied a crucial position. It relies on two tactical pillars: peer review, mutual assessment, and grading of assignments and exams. In the field of college students' thesis creation, some examination institutions rely on the advantages of the integration of educational resources to build a review team composed of experts from the university and experts from home and abroad in the same profession and the same industry to jointly evaluate.

#### 3.1 Mutual Evaluation and Peer Evaluation

As a core part of expert evaluation methods, mutual evaluation and peer evaluation play a vital role. In this process, experts in the same field evaluate each other's academic achievements and abilities. This evaluation method has significant advantages, and experts can rely on their own rich professional knowledge and experience to conduct in-depth and comprehensive evaluation of the results of researchers. In this way, it will not only help to discover potential research directions, provide valuable feedback for researchers, but also promote innovation and development in the academic community and promote the progress of scientific research.

First, mutual and peer review can identify potential research directions. In the evaluation process, experts can analyze the results of researchers from different angles and levels, and explore the potential value and significance contained in them. Therefore, we can find some research directions that have not been widely concerned, and point out new directions and paths for future academic research.

Second, mutual and peer reviews provide valuable feedback to researchers. In this way, experts can objectively and impartially evaluate the results of researchers and point out their advantages and disadvantages. These feedbacks help researchers to better understand their own research level, further improve the quality of research, and lay a solid foundation for future academic development.

Finally, mutual assessment and peer review help to drive innovation and development in academia. Under this evaluation mechanism, experts will keep an eye on the research trends in the field and promote exchanges and cooperation among the academic community. This can stimulate the researchers' innovative consciousness, improve the research level, and promote the prosperity of the entire academic field.

#### 3.2 Grading of Assignments and Exams

Assignment and test scoring are widely used assessment methods in the field of education, and they serve as a form of expert assessment that provides insight into a student's academic ability. In this process, the teacher or tutor plays a crucial role in assessing the academic ability of the student based on academic performance, homework completion, and test scores.

First of all, the core purpose of this kind of assessment is to measure the degree of students' knowledge in a specific field. This not only helps teachers get a clearer picture of how their students are learning, but also provides students with real-time feedback on their academic progress. This feedback mechanism has important guiding significance for students' learning and growth, it makes students

know what they are lacking in, and then make targeted improvements.

Secondly, homework and exam grading, as an incentive mechanism, can greatly stimulate students' learning motivation. When students see that their efforts are recognized, they are more motivated to engage in their studies and pursue higher grades. At the same time, this assessment method can also help students find their own strengths and weaknesses, so as to make more targeted adjustments in the future study.

Finally, in the application of homework and exam grading, we need to take into account other assessment methods, such as practical operation, classroom performance, group discussion, etc., in order to achieve a comprehensive and objective evaluation of students.

### *3.3 Learning Log and Reflection*

Learning journal is an effective tool, it can help us to record the learning process, capture the experience, and reveal the confusion encountered in the learning process. By writing a study journal on a regular basis, students can visually see their own growth and shortcomings in learning, thus triggering in-depth reflection. Reflection is the key link of self-assessment, which can guide students to deeply analyze the problems in learning, find out the reasons behind the problems, and put forward targeted improvement measures. The combination of learning log and reflection enables students to continuously adjust their learning strategies, optimize learning methods, and improve learning results. In this process, students can not only develop their self-monitoring ability, but also develop good learning habits. The following are specific applications of learning journaling and reflection in the learning process:

- 1) Record learning progress: In the learning log, students can record in detail the process of completing their learning tasks, including learning methods, time spent, problems encountered, etc. By comparing the study logs of different times, students can intuitively see the changes in their learning progress, so as to adjust the study plan and ensure that the study task is completed on time.
- 2) Reflect on learning experience: Students can record their experiences gained in the learning process, such as the improvement of learning methods and the improvement of learning effects. This helps us to sum up the experience, find the learning method suitable for ourselves, and apply it in the future study.
- 3) Analysis of learning confusion: Students can record their doubts and problems through learning logs, so as to find information, consult others or self-reflection in the future. By constantly solving these problems, we can gradually overcome the difficulties in learning and improve our learning ability.
- 4) Formulate improvement measures: In the process of recording learning logs, students can formulate corresponding improvement measures according to the problems found in the learning process. These measures help students to solve the problems in learning and improve the learning effect.
- 5) Monitor the learning effect: Through the learning log, students can regularly review their performance in learning, so as to monitor the learning effect. This helps students find problems in time, adjust learning strategies, and ensure the realization of learning goals.

#### 4. Conclusion

Learning assessment can help students improve their learning effectiveness and performance. After receiving the assessment, students can timely adjust their learning methods and strategies according to the assessment results to further improve their learning efficiency. At the same time, through the feedback of the assessment, students can understand their own learning weaknesses and make targeted knowledge supplement and improvement. Learning assessment plays an important role in college students' learning process. Not only does it provide opportunities for students to monitor and give feedback and become more engaged in their learning, it also provides a way for teachers to understand students' needs and adjust their teaching. Through learning assessment, students can optimize learning strategies based on assessment results and improve learning effectiveness and performance. Therefore, we should attach great importance to the implementation and application of learning assessment in order to promote the all-round development of students.

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