

Elements of the effective educational process from the perspective of university students

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Abstract

The study aimed to identify the elements of the effective educational process from the point of view of the students of Al-Balqa Applied University in Jordan and its relationship to the variables of gender and degree, where the descriptive approach was used in addition to the use of a questionnaire that consisted of 20 items that measure the elements of the educational process, and the study sample consisted of 1000 male and female students from Al-Balqa Applied University from various faculties and academic disciplines; Where the study showed that the elements of the effective educational process from the students' point of view came to a medium degree as a whole, and the results showed that there were no statistically significant differences in the elements of the effective educational process from the perspective of university students, which are attributed to the study variables, namely gender males, females and the student's academic degree Intermediate Diploma, Bachelor's; The study recommends the necessity of paying attention to the faculty member at Al-Balqa Applied University and developing his educational abilities and skills to serve the educational process in general.

Keywords: the educational process, university students, teaching methods, educational goals, effective education;

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1. Introduction

The development and progress that It happened to our society in All different aspects, imposed on institutions educational and educational Find ways teaching The effective care with personality Learner and prepare cognitively emotionally and skill, and this can only be done by changing from teaching that It is about retrieving knowledge from educated to me teaching effective It depends on the activity of the learner and his positivity. So care a lot researchers and educators by teaching effective try them To determine Its principles and the most important skills required of teacher to be teach it effective with Determine the role of each teacher And the learner. Many countries are any teaching Effective-based development science thinking building on observation and configuration Concepts and organize it and realization relationships between The things when educated The teaching Effective from the point of view of researchers And educators focus on Pros learner and its efficacy process educational by following teacher for strategies teaching respect growth educated their needs and capabilities and their inclinations(Grant et.al,2019; Rink et.al, 2014; silver stone, 2017; Hastie, 2014; Rababa& AL-Momani, 2022)

and confirms Education modern The need to have skills teaching effective for teachers to doing turn process education educated where he increased the years Last Pay attention and learn skills for its importance Building Character learner (Alrabadi& Al-Momani, 2022; Tanash, 2019; Munawer, 2020).

and some go educators until Measure Success teachers his ability to receipt in formation into the minds of his students, not as much they know From this information profession education Depends on the teacher's skill and mastery of his profession and his ability to practice it and developed Take the necessary actions and positions the process education AL depend on developed On the teacher as he is responsible for planning for the lesson and implement the lesson by his choice Methods and strategies teaching Effective and activities educational Effective and use Techniques Calendar Occasion (Umrat, 2013; Asiri;2013; Akl, 2019;AL-Momani& Purnawan,2022; AL-Momani, 2022)

Therefore, a member of the educational faculty is one of the foundations of the educational process, as no educational system can achieve its goals and successes without using it, so we find that its position must be distinguished as in developed societies, and because education is one of the most important goals and objectives of higher education institutions. Rather, it is one of the oldest and most practiced, as students are exposed to this practice in most days of their enrollment years and at all levels, and it is the main work carried out by faculty members in universities, and therefore the education process still takes wide interest from the university administration, and therefore seeks On a permanent and continuous basis to develop it by various means and provide it with all the necessary material and human needs for its development and success in a manner befitting the reputation of the university, because in the end it is considered the important indicator in order to judge the educational institution and an important and main factor for its classification and identification of its capabilities and capabilities to achieve the desired goals (Hastie, 2014; AL-Momani& Jawarneh, 2022; Grant et.al,2019)

Based on what has been shown, the researcher any this is the study trying to get to know Elements of the effective educational process as seen by the students of Al-Balqa Applied University This is what is intended mechanism current search; Whereas, by reviewing the educational literature related to the subject of the study, and through the university researcher's experiences and his knowledge of the teaching-learning process and the continuous follow-up of the students, he noticed that there is a lack

of studies related to effective teaching in the Jordanian society, especially the university, so there was a need to conduct a study on teaching and education effective because of its specificity and importance; Through the researcher's review of the previous studies related to the subject of the current study, some of them were reached (Khazay, 2020) study aimed at Recognition teacher proficiency level Resource rooms for skills teaching Effective, the researcher used the method descriptive The researcher used the observations a tool To reach the results of the study, which was divided into three dimensions planning, and teaching classroom management, and calendar The study population consisted of (50) teachers, and the researcher reached several results, the most important of which are: The level of their mastery of the skills teaching moderately, while There are no significant differences Statistic Attributed to years of experience.

as such conducted (Al-Samady & al-nahar, 2019)A study aimed at evaluating the mastery of a teacher Education own UAE Arabic United for skills teaching Effective, the researcher used the method descriptive The researcher used the observation, and formed The study sample consisted of (96) teachers, and one of the most important results of this study: that the general skills related to by planning and teaching The evaluation is well available, and the results showed significant differences Statistic Due to qualification school and for years' Experience.

as done (Akl, 2019) Study aimed to find out the extent of exercise teaching Effective for a teacher the language English city Nablus, the researcher used the method descriptive The researcher used the questionnaire, and relied on the questionnaires a tool To study, the number reached Individuals the sample(46) teachers and the researcher concluded that more Classroom management skills were practiced while Less skill practice Calendar, while There are no differences single Significant Statistic Due to years of experience and qualification school.

A study came (Shamrani, 2017) which The aim was to identify the level of performance of a teacher Science for skills teaching Science and the researcher used the method descriptive Observation was used as a study tool. And formed The study sample from (40) teachers stage Primary city Riyadh The researcher concluded that the level of performance of a teacher Sciences for my skill planning and calendar an weak, while Their performance level was for skill Execution It came in average.

As for studying (Jabouri, 2016) Lost I aimed to get to know you on me skills education Effective for a teacher the language Arabic and its parameters in Rows Education own, and use the curriculum descriptive and relied on the questionnaire as a tool for the study, and formed The study sample consisted of (76) teachers, and the researcher concluded that the teacher the language Arabic they use Skill planning medium and like that There are significant differences Statistic To use skills education Effective in favor of the qualified school.

As And the go run (Ibrahim & Abdul Karim, 2014) A study aimed at recognizing the skills of teaching Effective for a teacher stage Junior high their teachers and their relationship to each other Variables, and use the method descriptive, and relied on the questionnaire as a tool for the study, The study sample consisted of (63) male and female teachers, and the researcher reached the ability of teachers On linking the current lessonyin the previous lessonand clarify Ideas MainqyGood start to the lessonwhileI found a lack of means educational The results showed that there are differences single Significant Statistic Due to years of experience and qualification Scientific.

As for studying (Umrat, 2013)I aimed To reveal the teacher's practice level and school teachers Governorate Even though for styles teaching Effective from the point of view of Super visors educators and managers schools, and use the curriculum descriptive, and relied on the questionnaire as a tool for the study, and the study sample consisted From(179), and the researcher concluded that the practice of teachers for styles teaching The effectiveness was moderately high. while There are no differences single Significant Statistic Attributed to years of experience and qualification.

As a study came (Asiri; 2013) which I aimed to get to know you on me teacher practice level and math teachers for styles teaching effective schools Primary city Najran, and the researcher used the method descriptive, The questionnaire was used as a tool for the study. And formed study sample From(408) a teacher and his teacher, and the researcher concluded that the level of performance of a teachers Mathematics for skill planning and implement teaching and skill Calendar Investigation and solving skill the problems was a degree High, while There are significant differences Statistic be consoled for variables Years' Experience and qualification Scientific.

2. the study Problem:

The evolution any theories educational requires to be The teacher is in school or university Familiar with the goals education and its principles, as well owning it for a set of skills teaching The effective help him Investigation Objectives educational, skills teaching The effective Depends on the skill of the teachers planning lesson, skills to implement The lesson of familiarity with ways teaching Effective and how to deal with educated How to manage dialogue and discussions well Skill teacher Calendar From building tests And the ask questions (Grant et.al,2019; Rink et.al, 2014; silver stone, 2017; Hastie, 2014; Rababa& AL-Momani, 2022)

Where Psychologists confirm that the success of ay a linked with her teachers Follow Favorite confirm that effective essay System educational depends on quality teachers who they do by teaching, While emphasizing (William James) That the teacher is the cornerstone of Activity educational.

Through the work of the researcher As a faculty member at Al-Balqa Applied University in Jordan and close to the operation educational Emphasizes the need to know Elements of the educational process From the point of view Students so try To find out the weaknesses and short comings and present The solutions are for her, that's why they lie the study Problem in Answer the questions next:

- 1- What are the elements of the effective teaching and learning process from the point of view of Al-Balqa Applied University students?
- 2- Are there any statistically significant differences at the level of significance ($\alpha = 0.05$) in the elements of the effective teaching and learning process from the point of view of Al-Balqa Applied University students, which are attributed to the gender variable (male, female)?
- 3- Are there any statistically significant differences at the level of significance ($\alpha = 0.05$) in the elements of the effective educational and teaching process from the point of view of Al-Balqa Applied University students, which are attributed to the degree variable (intermediate diploma, bachelor's)?

3. the importance of studying:

The importance of the study appears in Identify the short comings and weaknesses in skills teaching effective at Faculty members at Al-Balqa Applied University which contributes toy Selection Software training The occasion by the centers Training faculty members; as well as contributory help faculty member Focus on skills teaching The effective must have teachers at the university.

4. Objectives of the study:

The study aimed to identify:

- 1- Identifying the elements of the effective teaching and learning process from the perspective of Al-Balqa Applied University students.
- 2- Identifying the impact of the variables of gender and academic degree of the university student on the elements of the effective teaching and learning process from the students' point of view.

5. Study limitations:

The study was limited to the following:

- 1- Spatial domain: a sample of Al-Balqa Applied University students.
- 2- Human field: This study was limited to university students enrolled in the intermediate diploma and bachelor's stages from various faculties and academic disciplines.
- 3- Time scope: The study was conducted during the second semester of the academic year (2020/2021 AD).

Terminology of study:

Effective Education:

Know (Adam, 2020) teaching Effective as: that style from education yummy leads to learning or collection better about road Direct interaction situations between the teacher and his students.

and knows (Al-Qa`oud & Abu Asba', 2017) teaching Effective as: process to organize expositions learn students Through it educated make them able on me acquisition Knowledge and formation of trends and development skills and calendar that A comprehensive, diversified, and continuous calendar so process Learning is learning tough situations.

The researcher defines it procedurally as: everything he plans teacher goals, activities, and methods teaching and means educational and methods Evaluation To implement lesson, malady to gain educated Knowledge and development understanding They have until it remains The effect of learning for the longest period possible, and then Evaluation Bezel Investigation That Planned goals.

Study method and procedure:

Study Approach:

The descriptive approach was used due to its suitability and the nature of the current study.

Study population and sample:

Study community: The study population consists of all students enrolled in Jordanian public universities during the second semester of the academic year (2020/2021 AD).

The study sample: The study sample consisted of (1000) male and female students from Al-Balqa Applied University from various disciplines and university colleges, who were selected by stratified random method, and the following table No. (1) shows the distribution of the sample according to the study variables.

Table (1) Distribution of the study sample according to its variables

variable	the level	the number	percentage %
sex	male	500	50%
	female	500	50%
the total		1000	100%
Degree	diploma	500	50%
	BA	500	50%
the total		1000	100%

Study tool:

To identify the elements of the effective educational and teaching process, the study tool was developed by referring to previous studies related to the subject of the current study as a study (AL-Momani,2022), a study (Khazay, 2020), a study (Al-Momani & Rababa, 2022), and a study (Al-Naddaf & Abu Zama’, 2013), where the study, in its initial form, consisted of (25) paragraphs that measure the elements of the effective educational process; Where the five-point Likert scale was used in order to respond to the paragraphs of the questionnaire that was formulated positively, because it represents the practices of the effective educational and teaching process, and the response weights on the items were as shown in the following table (2):

Table (2) the response scale on the questionnaire items

very big degree	big degree	Medium	little degree	very degree	little
(5) grades	(4) degrees	(3) degrees	(2) degree	(1) degree	

Validity of the tool:

To ensure the validity of the study tool and the extent to which it measured what it was designed to measure, the researcher presented it to a committee consisting of (12) arbitrators from faculty members in the disciplines of curricula, teaching methods, educational psychology, measurement and evaluation at Al-Balqa Applied University and Yarmouk University, in order to express their opinions on an occasion The paragraphs of the subject of the study and making any other observations such as merging, adding and deleting some paragraphs; The approval rate of (80%) of the arbitrators was relied upon to make any amendment to the paragraphs; Where some paragraphs were merged and deleted so that the scale became composed of (20) paragraphs in its final form.

Tool stability:

The stability of the study tool was confirmed by using the test and re-test method (Test, Re-test) on a sample of (30) male and female students from the same study community but not from its sample, then the test was applied again after (14) days from the first application, where the total stability coefficient reached (0.89) and this was considered good for the purposes of the study.

Statistical manipulations:

To answer the study questions, use the Statistical Package Program for Social Sciences (SPSS 21) By using the following statistical treatments:

- 1- Arithmetic averages, percentage, and standard deviations.
- 2- a test (t-test)

3- one-way analysis of variance (One Way- ANOVA)

In order to judge the arithmetic averages, the degree was considered high in the category of arithmetic averages from (3.67 .)-5,00) and average in a category of (33, 2–66, 3) and low in the category of (1,00–2,33). According to the following statistical standard:

Results

In light of the objectives of the previous study, the researcher monitored the data and conducted a statistical analysis of the data. The following is a presentation of the results and their discussion according to the study sequence:

First: the results related to the first question of the study, which states: “What are the elements of the effective teaching and learning process from the point of view of Al-Balqa Applied University students?”

To answer this question, the arithmetic averages and standard deviations were extracted for each paragraph of the scale and for the scale as a whole, and the following table No. (3) illustrates this.

Table No. (3):

Arithmetic averages and standard deviations of the elements of the effective educational and teaching process from the point of view of university students arranged in descending order according to their arithmetic averages

Ra nk	vertebrae	SMA	standard deviation	Degree
1	The teacher explains the course content clearly to the students	4.71	0.54	High
2	The teacher helps students understand the content of the material	4.52	0.57	High
3	The teacher gives tests of varying degrees and graded in difficulty to the students	4.12	0.75	High
4	The teacher takes into account the content of the material with the abilities of the students	3.88	0.64	High
5	The teacher presents the content in a proper and regular sequence	3.71	0.55	High
6	The teacher gives space for the students to discuss in answering the examination questions	3.62	0.67	medium
7	The teacher praises the students objectively and honestly	3.56	0.64	medium
8	The teacher explains the principles of marking during exams to students	3.51	0.58	medium
9	The teacher has the ability to communicate positively with students	3.49	0.63	medium
10	The teacher deals with students clearly and flexibly	3.48	0.55	medium
11	The teacher has a positive and moderate behavior and personality	3.42	0.61	medium
12	The teacher praises students for their performance, not for who they are	3.39	0.70	medium
13	The teacher is keen to treat students with the same standards during exams	3.35	0.61	medium

14	The teacher takes into account the student's attendance and participation in the class	3.15	0.73	medium
15	The teacher has self-confidence and his ability in his scientific field	3.06	0.71	medium
16	The teacher announces the students' grades clearly and publicly	2.91	0.77	medium
17	The teacher praises the students when they realize how successful they are in acquiring knowledge	2.64	0.50	medium
18	The teacher praises the students after their positive answers	2.41	0.52	medium
19	The teacher shows a clear desire to teach	2.31	0.69	low
20	The teacher uses feedback to the students	2.18	0.67	low
The total score for the scale of the elements of the educational process as a whole		3.37	0.63	medium

It is clear from the previous table No. (3) that the arithmetic averages and standard deviations of the elements of the effective educational and teaching process from the students' point of view came at an average degree on the total score of the scale, where the arithmetic mean was (3.37) and with a standard deviation of (63); Where (5) items got a high score, (13) items got a medium score, and two items got a low score; Where the paragraph that states "the teacher explains the course content clearly to the students" ranked first with an arithmetic mean of (4.71) and a standard deviation of (0.54) to a high degree; Then followed in second place by the paragraph which states: The teacher helps students understand the content of the material With a mean of (4.52) and a standard deviation of (0.57) to a high degree; While came in the penultimate rank, which states: The teacher shows a clear desire to teach With a mean of (2.31) and a standard deviation of (0.69) and at a low degree, and came in the last place the paragraph which states: The teacher uses feedback to the students With an arithmetic mean of (2.18) and a standard deviation of (0.67) and to a low degree.

The researcher attributes this to the positive impact resulting from the students' responses to the teaching method and its clarity, and thus it is reflected in the students' understanding appropriately. This result can also be attributed to the existence of a real desire among the faculty members at the university to be able to assume responsibility in the educational process, which has a positive impact on students; Also, directing praise from the teacher to the student is one of the basics that must be observed in the educational process, which plays a significant impact in improving the psychological state of students and informing them of the importance of their performance, which contributes to the continuation of the effort made by the student to maintain his position in front of the teacher and students; This result agreed with the results of the study of both(Khazay, 2020)And the(Akl, 2019)And the(Jabouri, 2016)And the(Asiri2013).

Second: The results related to the second question of the study, which states: "Are there statistically significant differences at the significance level ($\alpha = 0.05$) in the elements of the effective educational and teaching process from the perspective of Al Balqa Applied University students, which are attributed to the gender variable (male, female)?

To answer this question, a test was used(T-Test) to indicate the differences between groups and the following table No. (4) explains this:

Table No. (4):

The results of the t-test for the significance of the differences The elements of the effective educational and teaching process from the point of view of Al-Balqa Applied University students, which are attributed to the gender variable (males, females)

Variables Elements of an effective educational process	male		female		T	indicat ion
	SMA	standard deviation	SMA	standa rd deviation		
	3.79	0.68	3.82	0.59	2.0	0.11
	6					

Table No. (4) indicates that there are no statistically significant differences in the total score of the elements of the effective educational and teaching process from the point of view of the students of Al-Balqa Applied University, which are attributed to the gender variable (males, females), and this indicates that the gender variable has no clear impact on the students' assessment The degree to which faculty members practice the elements of the learning, teaching and teaching process, where the researcher believes that teachers practice their work according to similar educational plans and facilities for both sexes, and therefore the estimates were similar.

Third: The results related to the third question of the study, which states: “Are there statistically significant differences at the significance level ($\alpha = 0.05$) in the elements of the effective educational and teaching process from the perspective of Al Balqa Applied University students, which are attributed to the student’s degree variable (intermediate diploma, bachelor’s degree) ?

To answer this question, a test (T-test) to indicate the differences between groups, and the following table No. (5) shows this:

Table No. (5):

The results of the "t" test for the significance of the differences for the elements of the effective educational and teaching process from the point of view of the students of Al-Balqa Applied University, which are attributed to the student's degree variable (intermediate diploma, bachelor's degree)?

Variables Elements of an effective educational process	Intermediate Diploma		BA		T	indicat ion
	SMA	standard deviation	SMA	standa rd deviation		
	3.58	0.52	3.44	0.50	1.3	0.18
	8					

Table No. (5) indicates that there are no statistically significant differences in the total score Elements of the effective educational and teaching process from the point of view of Al-Balqa Applied University students Which is attributed to the student’s degree variable (intermediate diploma, bachelor’s degree), and this indicates that the scientific degree in which the student studies have no clear impact on the students' assessment of the degree to which faculty members practice the elements of the learning, teaching and teaching process, and the researcher believes that teachers are the same who teach students Whether at the diploma or bachelor's level, students look to teachers at the same level.

Recommendations:

In light of the study objectives and results, the researcher recommends the following:

- 1- Relying on the study scale items used in determining the elements of the effective educational and teaching process, as well as preparing and motivating teaching contents at the university level.
- 2- The need to take into account the results of this study for the evaluation process of faculty members at Al-Balqa Applied University in particular and Jordanian universities in general.
- 3- The need to take into account the results of the study in order to prepare the faculty members in universities and qualify them well in line with the principles of continuous professional development.

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