METHODOLOGY AND PEDAGOGICAL PRACTICE-TEST RESULT OF ORGANIZATION OF PEDAGOGICAL TRAINING

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Annotation. The organization of the pedagogical training on the teaching and informational and didactic support for the development of students' communicative competence in the process of integral bilingual teaching of English language to students of the technical direction, development of speech constructions aimed at the integrative acquisition of language skills in the content of specialized modules.

Аннотация. Организация педагогического тренинга по учебно-информационно-дидактической поддержке развития коммуникативной компетентности студентов в процессе интегрального билингвального обучения английскому языку студентов технического направления, развитие речевых конструкций, направленных на интегративное овладение языком навыки в содержании специализированных модулей.

Keywords: Pedagogical experimental, experimental group, control group, corresponding arithmetic mean

Ключевые слова: педагогический эксперимент, экспериментальная группа, контрольная группа, соответствующее среднее арифметическое.

Pedagogical experimental work was carried out on the methodology of developing language competence of technical students. The game method, exercise method, virtual simulation video clip was used in education.

Experimental work was carried out in higher educational institutions of our Republic. 457 students from Surkhandarya region, Andijan region and Jizzakh region participated.

Creating a problem situation in the training, organizing a debate, discussing with the student's opinions, learning practical activity, forming an independent attitude, increasing motivation for a new job and career, and organizing a floor game, an imitation game, which plays an important role in creating a professional environment. The study was carried out in the classroom and analyzed in the student statistics section.

We are a student tactician.

The following information is attached to this document:

Marking:

x_i – It is a good assessment for the group,

$$i = \overline{1,3};$$

y_i – scores corresponding to the control group;

$\overline{x}$ and $\overline{y}$ – corresponding arithmetic mean values for experimental and control groups.

$$\overline{x} = \frac{\sum x_i n_i}{n}; \qquad \overline{y} = \frac{\sum y_i m_i}{m}, \qquad (1)$$

There : x_i, y_i – 3, 4, 5 accepts value judgments accordingly.

m, n – future professional in the experience and control group the number of teachers.

m_i, n_i – the number of future professional education teachers in relation to the corresponding grades.

The overall value of the evaluation of the educational system's effectiveness and the overall arithmetic value of the evaluation of the patient group, i.e., the effectiveness coefficient, were obtained as follows:

$$\eta = \frac{\overline{x}}{\overline{y}}. \qquad (2)$$

Average squared deviation values:

$$S_x^2 = \frac{1}{n}\sum_i n_i \cdot (x_i - \overline{x})^2; \quad S_y^2 = \frac{1}{m}\sum_i m_i \cdot (x_i - \overline{x})^2. \qquad (3)$$

Standard deviation values:

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$$S_x = \sqrt{S_x^2}; \qquad S_y = \sqrt{S_y^2}. \tag{4}$$

Indicator for determining average values:

$$C_x = \frac{S}{\sqrt{n \cdot x}} \cdot 100\%; \qquad C_y = \frac{S}{\sqrt{m \cdot x}} \cdot 100\%. \tag{5}$$

Confidence intervals for unknown population means:

$$a_x \in \left[\overline{x} - \frac{t}{\sqrt{n}} \cdot S_x; \ \overline{x} + \frac{t}{\sqrt{n}} \cdot S_x \right];$$
$$a_y \in \left[\overline{y} - \frac{t}{\sqrt{m}} \cdot S_y; \ \overline{y} + \frac{t}{\sqrt{m}} \cdot S_y \right], \tag{6}$$

there: t – The normalized deviation is determined based on the confidence probability P. For example, $P = 0,95$ when $t = 1,96$.

Below, based on this information, we made calculations for each academic year and presented their comparative analysis in tables.

A comparative analysis of the results of practical training in the academic year 2019-2020, in the subject "Foreign language (English)", in this episode:

m =75, n =80 – the number of students in the experimental and control groups.

б – in the beginning of the experiment; о –in the end of the experiment

$$\overline{x_б} = \frac{1}{75} \cdot (8 \cdot 5 + 22 \cdot 4 + 45 \cdot 3) = 3{,}5067$$

$$\overline{y_б} = \frac{1}{80} \cdot (8 \cdot 5 + 20 \cdot 4 + 52 \cdot 3) = 3{,}45.$$

Efficiency coefficient $\eta_б = \dfrac{\overline{x_б}}{\overline{y_б}} = \dfrac{3{,}5067}{3{,}45} = 1{,}016$.

$$S_x^2 = \frac{1}{75} \cdot (8 \cdot (5 - 3{,}5067)^2 + 22 \cdot (4 - 3{,}5067)^2 + 45 \cdot (3 - 3{,}5067)^2) = 0{,}4633;$$

$$S_x = \sqrt{S_x^2} = \sqrt{0{,}4633} = 0{,}6807;$$

$$S_y^2 = \frac{1}{80} \cdot (8 \cdot (5 - 3{,}45)^2 + 20 \cdot (4 - 3{,}45)^2 + 52 \cdot (3 - 3{,}45)^2) = 0{,}4475;$$

$$S_y = \sqrt{S_y^2} = \sqrt{0{,}4475} = 0{,}669.$$

Average values are indicators of determination:

$$C_x = \frac{S_x}{\sqrt{75 \cdot 3{,}5067}} \cdot 100\% = \frac{0{,}6807}{\sqrt{75 \cdot 3{,}5067}} \cdot 100\% = 2{,}2414\%;$$

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$$C_y = \frac{S_y}{\sqrt{80} \cdot 3,45} \cdot 100\% = \frac{0,669}{\sqrt{80} \cdot 3,45} \cdot 100\% = 2,168\,\%;$$

$$a_x \in \left[3,5067 - \frac{1,96}{\sqrt{75}} \cdot 0,6807; \; 3,5067 + \frac{1,96}{\sqrt{75}} \cdot 0,6807\right] = [3,35; 3,66];$$

$$a_y \in \left[3,45 - \frac{1,96}{\sqrt{80}} \cdot 0,669; \; 3,45 + \frac{1,96}{\sqrt{80}} \cdot 0,669\right] = [3,30; 3,60].$$

Let's consider the results of this experiment in the practical training of the trainee (m=75, n=80 - future professional education teacher in the trainee and control group):

$$\overline{x_o} = \frac{1}{75} \cdot (18 \cdot 5 + 39 \cdot 4 + 18 \cdot 3) = 4,00;$$

$$\overline{y_o} = \frac{1}{80} \cdot (11 \cdot 5 + 22 \cdot 4 + 47 \cdot 3) = 3,55.$$

there $\eta_o = \dfrac{\overline{x_o}}{\overline{y_o}} = \dfrac{4,00}{3,55} = 1,127.$

As a result of the research, it was found that the knowledge and skills acquired by the future professional education teacher in the experimental group as a result of the training is 1,127 points (12.7%) higher than the control group.

The results obtained in the case study showed that the student's language competence is theoretically adjusted in the second chapter of this work for the functioning of the advanced model.

Table-1

Indicators of quantitative criteria

	Indicators	In the beginning of the experiment	In the end of the experiment		
		Experimental group m=228	cont rol group n=229	Expe rimental group m=228	contr ol group n=229
1.	Average arithmetic value	3,478	3,40 2	3,991	3,498
2.	Performance indicator	1,022		1,141	

3.	The mean value is the confidence interval	[3,39;3,57]	[3,32;3,49]	[3,90;4,08]	[3,41;3,59]
4.	Standard error of the mean	0,6974	0,6576	0,7009	0,7094
5.	Student statistics (T)	1,5(1,5<1,96)		7,84(7,84 >1,96)	
6.	Summary of indicators	H_0 the hypothesis is accepted		H_1 the hypothesis is accepted	

As a result of our research, the test-test work, which was selected as a test-test field, finally, the level of development of the language competence of the students in the test group had a high multiplier of 14.1%. This increases the scope of the research work already carried out.

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