

контроля и учета подготовки студента по дисциплине «Молекулярная физика». Студент своевременно отчитывается по каждому из модулей, что позволяет активизировать и поэтапно контролировать его работу в течение всего периода изучения дисциплины.

## **CULTUROLOGICAL APPROACH IN THE ASPECT OF A TEACHER'S PERSONALITY FORMATION**

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Substantial democratic changes occurring in Ukraine today promote awareness of the fact that progress in society is possible only under conditions where the epicenter of events raises the personality of a person as a subject of social and cultural life that is revealed in the context of social relations. The personality of a teacher as an organizer of interactive activities of the younger generation should reflect heartfelt kindness, communicative skills, interest for life, respect for the personality of each person. The professional competence of a teacher is usually caused by pedagogical skills, erudition, determination, education, sensitivity, mentality, personal charisma and tact.

The main objective of education is development and self-development of a human being as a personality in the process of education. Modern society has certain requirements to the individual. It needs a free, intelligent personality, able to live and create in the conditions of the modern constantly changing world. It is possible to educate and train such a person only with such an approach to learning, when more attention is given to the individual psychological characteristics of a person. The purpose of our study is to highlight cultural trends of a teacher in the sociometric dimension.

The issue of a future teacher, a socially active educator and a creative person formation is widely disclosed In psychological and pedagogical studies of modern scholars. The study of sociometric status of an individual is done by A. Kovalenko, M. Kornev, G. Leytts, S. Stavytska, V. Voloshin and others. The researches are generally aimed at establishing the relationship between the sociometric status and such individual typological characteristics as introversion and extroversion, appearance, age groups, sociability, emotional expansiveness, efficiency and so on. The influence of the group development on the structure of interpersonal relations is proved. However, the role and place of the sociometric status of an individual in the development of professional self-actualization of a teacher is insufficiently studied. In particular, the identity of a teacher as an educator of the cultural values of the society is not disclosed.

Justification of the problems of self-actualization of a teacher in the sociometric dimension according to his cultural values and priorities will determine his status. The main tasks of a teacher's sociometric status measurement are to study of the fundamental problems concerning of the authority of a teacher formation; to determine the factors that influence the development of the cultural values of an individual; disorganizing factors of a teacher's educational activities; leisure arguments for a teacher's active recreation.

Cultural trends are the basic components of a human personality (it also includes: basic aspirations, characterological trends, life purposes and motivation to adaptively needed activities). Along with other components, they form the genotypically conditioned universal natural frame identity of any person. Consideration of cultural trends as natural personality formations is based on the current data of psychogenetics.

In winter 2017 a survey of teachers at schools in the city of Vinnitsa and Lypovets district was conducted. Totally 236 respondents were involved in the survey, the majority (78%) of whom were women and 22% (52 people) were men.

One of the first questions that were suggested to our respondents was the question of the level of their personal satisfaction with their work. Quite a large proportion – 56% (132 people) are satisfied with their work. However, we will stress that the conditions of teaching, particularly in rural areas (violation of sanitary-hygienic norms in the premises, lack of theoretical and practical support etc.) are blocking their professional growth. There are about one-third - 32% (75 people), who are partially satisfied with their work, while the proportion of the dissatisfied people is 12% (28 people). This level of satisfaction with professional duties performance indicates that today the issue of pedagogical employment is not a very relevant problem, but professional orientation mismatch, bad choice of training, biased orientation of the individual are gaining importance.

According to teachers, the rating factors that shape the authority of any person are: first, knowledge and competence of the individuals who recognize his or her authority in the society – this thesis was supported by the vast majority of respondents – 72% (169 people), and secondly, professionalism – 67% (158 people). The following features were noted: responsibility – 63% (148 people) goodwill – 55% (130 people), talent and ability – 47% (110 people), the unity of words and deeds – 43% (101 persons), equity – 37% (87 persons), industry – 35% (83 persons), sense of humor – 30% (71 people), tact – 27% (64 people) organization – 24% (57 people), communication – 23% (54 people), consciousness and respect for others – 19% (45 people), charisma – 31% (73 persons), modesty – 15% (35 people), tolerance – 14% (33 people), self-criticism 13% (31 persons), integrity – 11% (26 people), sociability – 10% (24 people), initiative – 8% (19 persons), courtesy – 7% (16 persons), pragmatism – 4% (9 persons). These equivalents are the main basis of pedagogical competence in terms of our research. However, the level of a teacher's personal development also depends on competent persons, who to some extent shape his values, motives, manner of thinking, culture of communication, pedagogical features. The priority in shaping the personality of a teacher belongs to the parents, colleagues, writers, scientists, literature characters, relatives.

Describing the personality of a teacher in sociometric dimension, we stress that the appropriate authority of a teacher, objective assessment of the administrative collegium, respect and consistency of the entourage and colleagues, favorable living conditions, the success of the student audience are the most essential in shaping his cultural trends. However, the priority in educational activities belongs to the upbringing of a citizen-patriot of Ukraine, ready to selflessly develop and ensure its national security, know his or her rights and duties, to defend them in a civilized way, to be successful in the society as a citizen, a family person, a professional, a carrier of the Ukrainian national culture.

## **АСТРОНОМИЧЕСКИЕ ЭКСПЕРИМЕНТЫ – СПЕЦИФИЧЕСКАЯ ФОРМА ЗАДАНИЙ ДЛЯ УЧАЩИХСЯ**

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**Введение.** Слово «эксперимент» происходит от латинского слова «*experimentum*», что переводится как «проба, опыт», то есть в узком смысле слова термины «опыт» и «эксперимент» являются синонимами.