

Preliminary results of the research and the analysis of publications about the problem show that educational situation, formed in modern institute of higher education, favours little with personal formation of a student in educational activity. With that students' educational and scientific activities aren't stimulated enough, situation of social development, typical age characteristics (contradictoriness of value orientations, criticality and instability of self-appraisal and claim level, tendency to solve different problems on one's own and a fear of personal responsibility, initiative, readiness for risk, personal, civic, professional self-determination and etc) aren't taken into consideration.

Graduates (5 year students), as a rule, besides study solve other problems: they strive for a work, connected with the major, settle down to married life, determine personal, civic, social and political priorities. Everything taken together come into conflict with regulated enough university activity and make difficulties for a development of professional self-consciousness, cognitive processes, communicative culture – leading types of activity and psychic new formations, typical for the students as a specific age, social and professional group. These circumstances exactly can explain students' study interest drop from year to year [1].

Everyone knows that half of graduates doesn't work in education, and this fact in a great measure reflects a dynamics of students' professional motivation and there are the causes both of social, economical and psychological, pedagogical character. Irregularity of the process of future specialist formation, expressing in professional crises, among which are the crises of search and profession choice, professional education crises, can be referred to the last mentioned causes.

The preliminary results of our research let us make a conclusion that educational process in modern institute of higher education doesn't stimulate enough personal and professional development of a student. It might be supposed that the orientation on diagnostics of students' social, demographic, psychological and cognitive peculiarities makes possible the realization of personal oriented approaches to a future specialist training.

References

Povarenkov Y. P. **Psychological content of man's professional formation.** – M., 2009.

The work was submitted to international scientific conference «Present-day problems of science and education», Russia, (Moscow), May 11-13, 2010. Received by the editorship on 07.04.2010.

THE INTEGRATION APPROACH IN THE HIGHER EDUCATION CONTEMPORARY CONCEPTION

Volkova E. and Elyukhina Yu.
*The Saratov State University
Saratov, Russia*

The situation, having been formed at the commercial labor market, against the background of the deep economic crisis, today, however, is not being permitted to be spoken on the personnel need reduction in the geological orientation specialists and the experts. The private subsoil – users are constantly needed in the geological specialties graduating seniors, having possessed their occupational and the vocational qualities, and also, having adapted to the contemporary technical, engineering, technological – methodically and economic production conditions. This is being defined the educational process progressive movement necessity, the characteristics of which will be defined by the higher occupational and the vocational education actual tasks. At present, the teacher's activity of the Institute of the higher education, the College and the University must be combined in itself the three main components:

(1) the pedagogical component, which is being suggested the knowledge transfer to the students. The above – indicated component is being implied not only the high volume courses of the lectures preparation, but and the teaching process transformation into the absorbing activity for the pupils. This is quite often being succeeded by the Geological Department teachers of the SSU, in spite of their considerable teaching load. As the Department's elders, well as the young teachers practically use the already tested methods, and they, moreover, are finding the new ones for the students' interest attraction to the science. As the Department's elders, well as the young teachers practically use the already tested methods, and they, moreover, are finding the new ones for the students' interest attraction to the science. So, it should be specially mentioned the recently resumed student groups and the parties, in the work of which the educational, the scientific and the research activities, and also the production process junction is being found their reflection among the educational process numerous forms types, having used in the SSU. So, the priority peculiarity and the specific feature is being consisted in the fact, that the students are being attracted and are being enlisted in the real geological researches under the guidance of the competent specialists and the experienced experts, for all this, having performed the wide activities spectrum at all the research stages: the field observations, the received data interpretation, the geological reports working out. This is principally being differed the student groups and the parties from, as the field experiences, well as the work practices, where it is much acceptable the students participation in the various separate operations.

(2) scientific and the research activities component is quite possible to be really realized by the teacher, as individually, well as jointly with the Scientific and Research units or the corresponding organizations graduates or the workers and the employees. Namely, the integration scientific and the research projects, which are repeatedly being increased the Institute of the higher education, the College, and the University innovation potential have the great significance in the further development of the higher occupational and the vocational education. Thus, it is quite possible to be noted the RF received patents for the inventions, as such projects realization final results in the SSU: “The Oil – and – Gas Content Forecast Technology”, “The Gas and the Gas – Condensate Deposits Searching Method”, “The Emergency Situations Prognostication Method at the Oil – and – Gas Producing Wells Building”; and also the Certifications on the State Registration of the “Mineral Searcher” (MS) programs.

It is necessary to be noted, that the exclusive rights possession by the Institutes of the higher education, the Colleges, and the Universities to the intellectual and the mental activity it is being seen today especially actual, with due regard for the putting the Federal Law into the effect on 02.08.2009, which is being opened the possibilities for the scientific workings out, having provided the mechanisms, their transformation into the competitive commercial product. The introduction perspectives of their workings out into the practice, their application searching in the economy and the social sphere are being opened, with the new Law acceptance for the Institute of the higher education, the College, and the University, and, as the consequence of this, the independent means earnings for the existence and their structures development, the additional incomes receiving, which are so necessary at the poor fiscal provision.

So, to – day, the scientific cooperation is not quite able, and it should not be restricted by our country’s boundaries limits, having entered on the level of the international one. The students and the graduates, the teachers and the lecturers are constantly raising the national education competitiveness, having taken their part in the international conferences, and also having placed their publications in the foreign issues. In particular, the teachers’ and the lecturers’ scientific studies and their transactions of the SSU Geological Department have already been presented in the framework of the Annual Palaeontological Conferences in Glasgow, Great Britain. They have also been published in such journals, as “The Journal of Vertebrate Paleontology”; “The Paleontological Journal”; “THE INTERNATIONAL JOURNAL OF APPLIED AND FUNDAMENTAL RESEARCH”. In addition, the Department people have been the participants of the scientific and the research expedition to the Spitsbergen Island. So, among the other SSU international cooperation forms with the foreign Institutes of the

higher education, the foreign Colleges, and the foreign Universities, it is quite possible to be noted the scheduled Geological and the Palaeontological researches and investigations carrying out jointed with the Islamic Republic of Iran University centers on the Southern European Russia territories.

(3) the teacher’s and the lecturer’s activity next component – is the scientific and the research activity, the design and the survey works carrying out, on the basis of the economic contracts and the agreements with the Institutions and the organizations, that is, such kind of technologies and the projects development and the further introduction and the implementation, which will be wanted and claimed by the country’s manufacturing enterprises. It is quite impossible to be named the new phenomenon for the higher occupational and the vocational education the scientific developments practical introduction and the further implementation, which now, it will be scheduled to be made in the framework of the small business and the small – sized enterprise. Such kind of the activity in the field of geology, for example, is being carried out by the SSU, on the basis of the cooperation, as with the industrial geological organizations (e.g. the “KogalymSRPioil” LLC, the “Universalbuilding” LLC), well as with the Scientific and Research Institutions (e.g. the “Paleontology, Stratigraphy and Sedimentology SRI” LLC).

Obviously, the teacher’s and the lecturer’s productive activity all the three components realization is quite impossible under the Institute of the higher education, the College, and the University isolation conditions from the other educational, the scientific and the production organizations. So, it has been become quite possible to be integrated the educational, the scientific and the production activity only in the process of the joint projects realization, that is the obligatory prerequisite of the students’ occupational preparation and the professional training quality improvement at the Institute of the higher education, the College, and the University education innovation stage. The Institute of the higher education, the College, and the University cooperation shining and the striking example with the research organization – is the SSU Geological Department relationship of many years with the FSMN of the Lower – Volzhsky Geology and Geophysics Scientific and Research Institute.

The Institute people are regularly being invited for the Geological Department students teaching, in particular, a number of the special academic disciplines in the field of the hydrocarbons searching and the exploration new technologies; the oil formation theory; the geochemical and the geophysical fields in the zones of the hydrocarbonic accumulations influence. So, the specialists and the experts are imparting the new scientific ideas and the opinions for the students, they are helping them to be in the course of the last geological researches and the investigations, they are getting to be known by them with their personal

work results, having exchanged with them by their rich and the wide experience, having conditioned by the scientific challenges breadth of visions and the views.

The positive contribution of the similar educational studies activity in the teaching process at the Geological Department is quite evident. However, the time deficiency objective factor, which is quite able to be given for the teaching by the practical workers, is being caused the organizing difficulties in the educational process. So, the challenge solution is being seen in the cooperation such form realization, as the master – classes, having included in the principal studies timetable. The master – classes, having conducted with the scientific and research, and also the production organizations leading specialists' and the experts' participation, will have to become by the students' educational activity inalienable and the integral part. Besides, such master – classes participation by the teachers, the lecturers, and the graduates, will be provided the possibility by the last ones to get to be known with the newest methods, the technologies and also to become the contemporary geological ideas and the visions, and the views bearers.

The higher educational school is being acquired the functional purpose the wider, than the future specialists preparation and the experts and the training in the various and the different fields of the society's life and the vital activity, on the basis of the already available knowledge under the innovative society development conditions with the marketably orientated economy form. Today, exactly the Institutes of the higher education, the Colleges, and the Universities, in many aspects, respects and ways, are being formed, are being realized, and they are being developed their technical and scientifically innovation potential, including having directed at practical needs satisfaction, as the separately taken region (e.g. the Volga Region further economic and the social development, in many aspects, respects and ways, is being depended on the researching effectiveness increase and on the oil exploration and the gas prospect), well as the country, on the whole.

The paper has been presented for the «The High School Educational Science Development Prospects» All – Russian Scientific Conference, “Dagomys” (Sochi), September 21-24, 2009. Received by the editorship on 27.08.2009.