

ABSTRACTS

CONTENTS OF SEMINAR-EXPERTIZE «PRINCIPLE OF INTERDISCIPLINARITY ON THE CONSTRUCTION AND THE REALIZATION OF SCIENTIFIC AND EDUCATIONAL PROJECTS IN THE CLASSICAL UNIVERSITY». TOMSK, 25–27 JUNE 2008

Part I

INTERDISCIPLINARITY OF EDUCATION IN CLASSICAL UNIVERSITY AS THE MODERN FORM OF FOUNDAMENTALITY

P. 7. *Petrova G.I.* INTERDISCIPLINARITY OF THE MODERN UNIVERSITY'S EDUCATION AS THE MODERN FORM OF IT FOUNDAMENTALITY. Classical science preferred the analytical point of view. Decartes initiated this opinion when supposed to decompose whole science and to see it as image of separate disciplines. Classical university was like such science. But the modern science is different. The modern science represents itself as the unity of all scientific disciplines. It is nonclassical science. This science base itself on the principal of «between». This principal is interdisciplinarity. It is the modern form of scientific fundamentality and fundamentality of the modern university's education.

Key words: interdisciplinarity, university's education, fundamentality.

P. 14. *Knigin A.N.* INTERDISCIPLINARITY: BASED PROBLEM. In this article the author determines of the category «interdisciplinarity» of science. «Interdisciplinarity» is a void between its different regions. Attention to this void, studying of it connects all science at united whole. But this connect represents difficult problem because it is not unite language for all science. All science have different languages, because its organization is disciplinary. It is based problem of interdisciplinarity.

Key words: intellectual field, interdisciplinary thinking.

P. 21. *Agafonova E.V.* CONCEPT OF «BOUNDED RATIONALITY» IN ECONOMIC THEORY AND IN SOCIAL PHILOSOPHY (OR ABOUT INTERDISCIPLINARY INTEGRALITY OF THE CONCEPT OF RATIONALITY). The paper puts forward following questions: what type of the activity is traditionally considered as rational? What factors have influenced upon reassessment of the rational action of the agent in economic theory? What has changed by introduction a concept of «bounded rationality»?

Key words: «bounded rationality», interdisciplinary integrality.

P. 28. *Poizner B.N., Sosnin E.A.* CRITERIA OF CONCEPTS LEASING IN INTERDISCIPLINARY RESEARCHES. The paper develops the idea of V.P. Zubov (1926) about a language nature of scientific knowledge. The authors have suggested: a) to add the semantic-cognitive approach with comparative one; b) to find out how semantics of «intradisciplinary» language units of one science (or technology) corresponds to concepts sphere of other science; c) to reveal disciplinary and language structure of «lingvodisciplinary» gaps in sciences; d) to plan system leasing of relevant cognitive concepts knowing this structure; e) to estimate the leasing of concepts by means of purposeful action scheme (V.I. Korogodin, 1991). The authors agree with the diagnosis by S.D. Serebryanyi: it is necessary to enrich Russian scientific and technical terms and social-scholar categories fund. The obtained results expand the heuristic basis for such project.

Key words: cognitivist, «lingvodisciplinary» concept.

P. 34. *Kornienko A.A.* INTEGRATION TENDENCIES IN WEST PHILOSOPHY OF SCIENCE: SEARCH FOR BASIS OF GENERAL THEORY OF SCIENCE. Research basis of West Philosophy of Science is considered in the article. It is showed that this basis is oriented to integration methods of science analysis as entire formation.

Key words: cognitive sociology, integrative analysis.

P. 40. *Stakhovskaya J.M.* THE ROLE OF KNOWLEDGE MANAGEMENT IN METABOLITHES FORMING IN INTERDISCIPLINARY APPROACH. Determining knowledge as the basic development factor, as the main medium of exchange and use, information-oriented society makes high demands of the modern person, consisting not only in possessing necessary set of knowledge, but in being able to learn life-long. At the same time knowledge itself, changing its nature, demands new methods of working with it, new ways of 'management'.

In the article the author determines some reasons for changing of modern university education system, where the necessity of meta-abilities forming is the main one. Analyzing the ways of this task solution, the author considers the knowledge management program use as a necessary component for ensuring optimal conditions for creating, identifying, capturing and sharing knowledge with others. The author identifies key elements of the program, necessary conditions for its realization and ways of its practical use.

Key words: education, meta-abilities, knowledge, knowledge management.

P. 47. *Migurenko R.A.* AN INTERDISCIPLINARY ASPECT IN THE PHILOSOPHICAL ANALYSIS OF THE PROBLEM OF CONSCIOUSNESS. The problem of consciousness is in the category of eternal philosophical problems. In this article, the author addresses the question of the role of philosophy in the sphere of interdisciplinary research into the phenomenon of consciousness and the actualization of its methodological function.

Key words: philosophy of consciousness, interdisciplinary research.

P. 52. *Barsanova M.A.* LANGUAGE AS A PHENOMENON OF INTERDISCIPLINARY CULTURAL FACTORS. The present article deals with The Language as a unity of language-cultural and sociolinguistic characteristics. It may show The Language as a phenomenon of interdisciplinary cultural factors.

Key words: sociolinguistic, lingvoculturology.

P. 56. *Kornienko An.A., Kornienko A.V.* COGNITIVE CRITERIONS AND HUMANISTIC DIMENSION OF SCIENCE AS BASIS OF NEW SCIENTIFIC RATIONALITY. The problem of modern civilization crisis is discussed in the article. It is showed that this crisis is caused by anti-humanizing role of science-technical progress. Authors research the ways of creation of humanistic world-outlook and humanistic-oriented science.

Key words: rationality, humanism, science- technical progress.

P. 61. *Vidgof V.M.* ONTOLOGICAL CAPABILITIES OF CROSS-DISCIPLINARY APPROACH TO HUMANITARIAN PRINCIPLE OF EDUCATING. In this article you will find the authors position concerning the innovative direction in the humanization of university education on the basis of ontological capabilities of cross-disciplinary approach.

Key words: pedagogics, the interdisciplinary approach, humanization of education.

Part II

PRESENTATION OF PROGRAMMES OF INTERDISCIPLINARY EDUCATIONAL COURSES

P. 65. *Kriaklina T.F., Detkov A.P.* USAGE OF THE INTERDISCIPLINARY APPROACH IN CREATION AND REALIZATION OF THE SPECIAL COURSE PROGRAM «ETHNOPOLITICAL AND LEGAL ASPECTS OF FEDERALISM IN RUSSIA». The article deals with the usage of the interdisciplinary approach in creation and realization of the special course program «Ethnopolitical and legal aspects of federalism in Russia» for students of law departments of higher educational establishments.

Key words: federalism, interdisciplinarity.

P. 71. *Bukovskaya N.V.* INTERDISCIPLINARY IN POLITOLOGY EDUCATION: THE COURSE «PROBLEMS OF THE CIVIL SOCIETY IN MODERN RUSSIA». The typology interdisciplinary. Interdisciplinary strategy and system character of the course allow to generate interdisciplinary optics of research and to create a multiplane picture of the civil society and factors of its formation.

Key words: civil society, political science, interdisciplinary strategy.

P. 74. *Etstein M.Z.* PRINCIPLE INTERDISCIPLINARITY IN METHODOICAL DEVELOPMENT IN THE PROGRAM «CULTURE AND ETHICS OF MANAGEMENT». Upon the globalization of the world space, the question has sharply arised about common, and incuding< professional and

moral culture of the people in the 12th century. The course of studies «Culture and Ethics of Control», introduced into the TSU syllabus have to fill in this niche. The actuality of such apportionment in control sciences is obvious so today the socioculture, moral component is the most important under schooling in managers. The principle of inter-disciplinaryty has effectively showed itself in the working out this course of studies because the culture per se is the integral phenomenon, organizing on it is own the very different artifacts, which are united with the moral being the main body of the artifacts.

Key words: culture, ethics of management, principle of interdisciplinarity.

P. 80. *Zatepyakin O.A., Vlakh N.I.* INTERDISCIPLINARITY IN PREPARATION OF EXPERTS AT FACULTY OF ECONOMY AND MANAGEMENT OF THE SIBERIAN BRANCH OF THE INTERNATIONAL INSTITUTE OF ECONOMY AND THE LAW. The article propose the application of the interdisciplinary principle while training specialists at the Economics and Management Faculty of Siberian branch of Moscow Economics and Enterprise institute.

Key words: interdisciplinary principle, globalization, the expert.

P. 84. *Osachenko J.S., Tarabanov N.A.* INTERDISCIPLINARITY OF THE COURSE «CONCEPTIONS OF THE MODERN NATURAL SCIENCE». In the article interdisciplinary character of the course «Conceptions of the modern natural science» is proved, main principles, on which teaching of the given course should be based, and also its purposes according to which the basic themes are allocated come to light and defined. Realization of the principle interdisciplinarity clears up on examples of tests, themes of examinations and seminars.

Key words: the natural-scientific knowledge, visualization, the concept.

P. 89. *Revyagin L.N.* STRUCTURE AND PROPERTIES OF INTEGRITY AS A METHODOLOGICAL FOUNDATION OF EDUCATIONAL PROCESSES INTERDISCIPLINARITY. Interdisciplinary educational processes and their programs should have the integrity properties, i.e. represent an organic unity of cooperative constituting elements among themselves and the scientific and educational environment. In the paper the eventual structure and properties of 'integrity' concept is presented. The knowledge of this attributes of integrity will be useful for composition and expertise of scientific and educational projects.

Key words: integrity, integrative rate, educational processes.

P. 92. *Minchenko T.P.* INTERDISCIPLINARY NATURE OF THE RELIGIOUS STUDIES. The article is concerned with the substantiation into interdisciplinary nature course «Religious Studies» for students of humanitarian departments. A program of this course includes different areas of Religious Studies: philosophy, history, geography, sociology and psychology of religion, legislation about religion.

Key words: religious studies, freedom of worship, atheism.

P. 97. *Sysoyeva L.S.* INTEROBJECTION A PROBLEM FIELD SOCIAL-CULTURAL ANTHROPOLOGY. In connection with that in modern anthropology the person appears as socio-cultural a phenomenon, it is considered integral in a context of many disciplines. Socio-cultural the anthropology is activity-technological, simultaneously comprising those unconscious parameters which were fixed psychoanalysis. Socio-cultural mechanisms of the organization of the person involve in its consideration of a problem of ethics, bioethics, an aesthetics, art, religious studies, the theory of education and upbringing, demand its inclusion in civilization a paradigm in view of the mental bases of culture. Socio-cultural the anthropology goes beside biomedical, clinical, psychological and has the consequence pedagogical anthropology.

Key words: social-cultural anthropology, mentality, philosophy of culture.

P. 101. *Dolgih N.N.* POSSIBILITY OF THE ARTISTIC FORMATION IN CONTEXT COMPETENSION APPROACH. Possibility of the artistic formation are considered In article for development of the personalities training. The notion key and profound competency are Considered. The Purpose of the artistic formation is defined development motive to personalities to cognition and creative activity. The Development of the creative abilities to personalities when learning art, offset interest to personalities with consumptions on active creation promotes both successful socialization, and self-realization to personalities.

Key words: the artistic formation, competension approach.

P. 105. *Postol V.I.* INTERDISCIPLINARITY IN THEORY AND PRACTICE OF DEMOCRACY. The set of «Modern theories of democracy» study materials, prepared with support from NFPD – national fund for personnel development, is represented in the article. Study course is developed based on findings from national and abroad researches. Within the course the need to use thorough interdisciplinary approach to understanding of key problems which arise in course of democratization process in nowadays is emphasized. The goal for the course is not only to get theoretical knowledge but also to attain and practice communication and teamwork skills which are essential for a citizen of democratic society. The interdisciplinary approach presented in the course enables relevancy of the course to the history, sociology, economy and philosophy of politics.

Key words: democratization, conceptualization, globalization.

P. 110. *Lisichko E.V., Luria N.A., Sozоров N.G.* PRINCIPLES INTERDISCIPLINARITY IN INTERACTIVE MODEL OF TRAINING TO THE MATHEMATICIAN AND THE PHYSICIST OF STUDENTS OF HIGH SCHOOLS. The article offers a special method of teaching same disciplines. The authors present this method as an interactive teaching model. The basis of the model are some fundamental disciplines? Creating space of autonomous blocks around them.

Key words: interactive model, educational process.

P. 113. *Sozоров N.G., Kazarina S.A.* SOME PRINCIPLES OF THE INTERDISCIPLINARY APPROACH IN THE INTERACTIVE MODEL OF TRAINING VARIOUS CATEGORIES OF STUDENTS IN THE RUSSIAN LANGUAGE AND STYLISTICS. This article gives an idea of the interactive model of training applied to the training courses developed in Tomsk Polytechnic University which enables the realization of the principles of the interdisciplinary approach in education. It reviews the efficiency of the given interactive model and the results of the interdisciplinary approach application.

Key words: interdisciplinarity, interactive model.

P. 117. *Dolgi N.A.* FORMATION OF THE IMAGE OF THE WORLD OF THE ARTIST-TEACHER IN PROCESS OF THE ARTISTIC FORMATION. In article are presented results of the empirical study, called on within the framework of study of the course «Bases to compositions» student, future artist-teacher, as well as, mastering «Program of increasing to qualifications» teacher graphic arts. It is considered influence of the artistic formation, in particular, subject «Bases to compositions» on formation value-semantic sphere of the image of the world student and teachers, which propose intersubjective knowledge.

Key words: the artistic formation, composition, art.

Part III

INTERDISCIPLINARY CHARACTER OF SCIENTIFIC PROJECTS IN THE CLASSICAL UNIVERSITY OF UNCLASSICAL TIME

P. 123. *Budenkova V.E., Saveleva E.N.* INNOVATION EDUCATIONAL PROGRAM «THE FORMING OF PROFESSIONAL, PERSONAL AND GENERAL CULTURAL COMPETENCES BY MEANS OF CULTURAL SCIENCES – STUDENT OF XXI CENTURY» AS AN EXPERIENCE OF INTER-DISCIPLINARIAN APPROACH (REALIZATION) IN STUDY PROCESS IN CLASSICAL UNIVERSITY. In this article the theoretical, methodological and empirical foundations of creation of the innovation educational program for the Tomsk State University are considered. This program is directed for the professional, personal and general cultural competences forming. Interdisciplinary essence of the program and ways of its realization are proved.

Key words: the competence, classical university, culturology.

P. 128. *Sitnikova D.L.* INTERDISCIPLINARY RESEARCH-PROJECT COURSE «CREATION OF THE CHILDREN'S MUSEUM OF SCIENCE IN TOMSK». The article is concerned with the substantiation into necessity of the creation of Children's Museum of science in Tomsk. The author offer make interdisciplinary course includes the concept and project of the Museum, creation and collection of museums exhibits.

Students, who learn to such specialties as «Museology», «Philosophy and methodology of science and technology», «Social Work», «Psychology», «Pedagogy», «Architecture», «Design» would com-

bine academic, scientific and practical experience within the bounds of innovational educational program of Tomsk State University.

Key words: children's museum, exhibit, exposition.

P. 133. *Siryamkina E.G.* INTERDISCIPLINARY APPROACH IN THE PROFESSIONALLY MAKING SUPPORT OF «YOUNG PEOPLE ORGANIZATIONAL MANAGEMENT» SPECIALTY STUDENTS. It is considered interdisciplinary model of students professionally making support in University where interdisciplinary approach is understood like individual communication and auto-communication in educational field.

Key words: the communications, educational space.

P. 138. *Rykun A.Yu.* THE CLASSICAL UNIVERSITY AND THE DEMANDS OF THE LABOR MARKET: THE TRANSFER OF TRANSFERABLE SKILLS. The article is based on the results of numerous research dedicated to the gap between the higher education's offer and the labor market's demand. Summarizing the employer's demand, author comes to the conclusion that desired characteristics of the higher educational graduates do unexpectedly include fundamental theoretical knowledge and, in general, are similar to widely discussed *transferable skills*. Author argues that most of the *transferable skills*, fundamental training including, are in need of the classical university milieu and that its alternatives, namely corporate and short term post-graduate training are both, insufficient in relation to the demand of the labor market and harmful to the classical university.

Key words: labor market, the communications, self-organizing.

P. 144. *Dmitrieva E.N., Trenkaeva N.A.* THE POSSIBILITIES OF USING COACHING METHOD AND TECHNIQUES IN THE SPHERE OF PROFESSIONAL FORMATION OF STUDENTS. The paper discusses the possibilities of using coaching methods and practices as effective psychological techniques in the sphere of professional and personal formation of students within the modern educational model / paradigm.

Key words: coaching, competence, professional becoming.

P. 148. *Tihonova E.P.* THE REALIZATION OF INTERDISCIPLINARY CROSSCULTURAL PROJECT OF CONSTRUCTION CLUB «WORLD WITHOUT BORDERS». Tourism as a phenomenon of crosscultural communication has been given a special meaning in the globalized world. Teaching culturology at the Institute of Arts and Culture (Tomsk State University) combines theoretical culture studying with cultural tourism practice by means of scientific-practical project «World without borders».

Key words: tourism, social-cultural project.

P. 153. *Bychkova M.N., Veberova J.M.* THE COMPLEX APPROACH TO PREVENTIVE MANAGEMENT OF CRISIS: CRISIS MANAGEMENT AND CRISIS-PROOF PR. Complex approach is a special methodological strategy focused on multiple-aspect, interdisciplinary knowledge of difficult objects and their diversified causation the result of which is a holistic conception of the object. This strategy underlies the present interpretation of technologies of preventive management of crisis. Crisis management in a broad sense is a general management activity in a company on its conversion from unstable condition (stagnation, a collapse) to balanced reproduction. At all similarity, crisis-proof PR, understood as a complex of enabling technologies, oriented on preparation for crisis, including its forecasting, prevention and creation of crisis management plan, timely revealing and management of it, in order to form, preserve, or strengthen company's favorable reputation, as well as regulate its consequences, carried out continuously – is an independent sphere of activity which is different from crisis management.

Key words: crisis, anti-recessionary technologies.

P. 162. *Ardashkin I.B.* SOCIAL WORK AS THE PROJECT OF NONCLASSICAL RATIONALITY. In article the author uses an opportunity of extrapolation of characteristics of nonclassical rationality for definition of such ambiguous phenomenon as social work. It is ascertained, that social work expresses methodical qualities which in the best way designate specificity of nonclassical rationality. It allows to unify available variety of definitions of social work.

Key words: social work, nonclassical rationality.

P. 167. *Petrov A.V.* TEACHING CONVERSATION IN THE VIEW OF INTERDISCIPLINARY. In the article, we discuss an issue on interdisciplinary context and its role in educational innovations by the example of changing teaching literature to teaching conversation.

Key words: the interdisciplinary approach, text-generation.

P. 171. *Nikitina Yu.A., Kornienko A.V.* THE POTENTIAL OF SYNERGETIC METHODOLOGY AND TRANSFORMATION OF SCIENTIFIC TRADITION. Theoretical possibilities of synergetic methodology are considered in the article. It is declared that this methodology transforms the basis of scientific tradition. This transformation creates pre-conditions for constructing effective models of social dynamics.

Key words: synergetic methodology, attractor.

P. 177. *Petrova G.I., Knigin A.N., Budenkova B.E., Savelieva E.N., Tarabanov N.A.* ABOUT COLLECTIVE EXPERTIZE OF SCIENTIFIC PROJECTS FND EDUCATIONAL PROGRAMMES (Total results of seminar-expertize «Principle of Interdisciplinarity on the construction and the realization of scientific and educational projects in the classical university»). The article contains the results of work of seminar-expertize «Principle of Interdisciplinarity on the construction and the realization of scientific and educational projects in the classical university», and prognosis concerning development of classical university in the future are realized. The principal result of work is that interdisciplinarity is considered to be a modern form of scientific and educational fundamentality. The criteria of interdisciplinary approach in of education are discovered.

Key words: collective examination, the scientific project, educational program.