

Teaching Methods And Innovative Process In The Field Of Design

N.Mannopova, O.Kasimov, M.Maxmudova, M.Isakova, M.Sultonova

N.Mannopova-Head Of The Department "Design", O.Kasimov- Assistant Professor,
M.Maxmudova-Assistant Professor,M.Isakova-Assistant Professor,M.Sultonova-Teacher

Teachers Of The Design Department Of The National Institute Of Fine Arts And Design
Named After Kamoliddin

Abstract: The Modernization Of The Design Education System, Ie The Introduction Of A Narrow Profile As A Broad Profile, Has Had A Positive Effect On The Education System. This Situation Can Be Characterized By The Fact That The Direction Of Education Is Adapted To Modern Conditions And Social Requirements. Therefore, Today Educational Institutions In The Field Of Design Are Required To Have A Sufficiently Broad Profile, Along With Art Skills, Basic Engineering Knowledge And, Most Importantly, The Training Of Specialists Who Can Work In A Creative Team. In The Training Of Such Personnel, Educational Institutions Are Required To Develop Skills Such As The Formation Of A Broad Outlook On The Profession In Future Designers, The Formation Of Creative Thinking And Logical Synthesis In The Design Process, Knowledge Of Specialty Methods In Project And Pre-Project Design Research.

Keywords: Design, Innovation, Education, Creative, Modeling, Art, Teaching Methods, Special Programs

1. Introduction.

Since Innovation Belongs To Different Areas Of Human Professional Activity, It Has Always Been The Object Of Study, Analysis And Implementation. The Innovation Process Requires Its Management. By Managing This Process, The Application Of New Ideas And Methods In The Learning Process Allows For Targeted Selection. The Result Of The Innovative Process Requires Application Not Only In Theory, But Also In Practice.[1]

One Of The Issues In The Preparation Of Students Majoring In Art Education As Professionals Is The Introduction Of Effective Methods In The Educational Process.

The Creative Activity Of A Designer Is Itself An Innovative Process. Because Each Project Work Requires Problem-Solving, Distinguishing It From Other Projects By Its Novelty, As Well As The Integration Of Theory And Practice. This, In Turn, Leads To The Creation Of Appropriate Learning Conditions And The Application Of Innovative Technologies In The Educational Process In The Field Of Design. [2]

Since The Learning Process In The Field Of Design Is The Process Of Creating Art Projects, The Methods Of Applying Innovative Processes In It Require An Individual Approach. One Of The Key Aspects Of This Approach Is Design. Properly Organized Project Work Has A Positive Effect On The Student, Ensuring That They Acquire Knowledge And

Skills Independently And Encouraging Them To Think Independently [3,4.]. Forms Student Initiative And Creative Thinking. From This, It Can Be Said That The Educational Process Is Being Replaced By Problem-Based Research Activities Of An Feature Nature, Which Help To Understand Innovative Ideas And Experiences Instead Of Traditional Education. The Quality Of The Project Depends On A Well-Designed Teaching Method Aimed At Creating Conditions For Students To Develop Their Creative Abilities Independently And Apply Them. At The Same Time, In The Training Of Designers, Along With The Positive Aspects Of The System Of Specialized Education, There Are Certain Shortcomings. For Example, The Project Work Being Assessed May Have Been Completed Correctly, But The Project Completed By The Student May Not Meet The Procedural Requirements In Terms Of The Creative Approach And The Graphic Requirements In Project Execution. In This Case, The Creative Process Itself Goes Unappreciated. The Educational Project Process Should Be Aimed Primarily At The Formation Of The Student's Ability To Perform The Assigned Task Independently, Personal Qualities, Self-Awareness And Further Formation As A Specialist. [5]

2. Material And Methods

There Are Several Innovative Teaching Methods In Improving The Quality Of Education In The Field Of Design:

1. Innovative Teaching Methods Can Include A Teamwork Method Whose Overall Goal Is Team Success. When Working As A Team, The Problem Of Research, The Design Algorithm, The Process Of Choosing The Concept Of Visualization Lead To A Number Of Difficulties. In This Case, It Is Necessary To Make A Final Decision, Taking Into Account The Views Of Each Member Of The Team. It Is This Method That Helps The Future Designer To Develop The Necessary Skills To Work With A Partner.

2. The Method Of Independent Study Is One Of The Effective Methods Of Independent Study Of A Problem By A Student. In The Training Of Designers, This Method Is Used Throughout The Learning Process. The Focus Is On Discussing The Problem Or Situation In The Classroom Under The Guidance Of A Teacher Under The Motto "The Discussion Process Is More Important Than The Solution". Independent Research Helps The Student To Form Competencies Such As: Sorting Information, Working With Information, Understanding The Importance Of Details, Analysis And Synthesis Of Arguments And Information, Working With Approximate And Final Results, Evaluating Alternatives, Decision Making. [6,7]

3. The Research Method Is Aimed At Organizing Creative Research And The Application Of Creative Knowledge, Which Helps To Shape Self-Management, Interest And Demand For Creative Activity. The Essence Of The Research Method Is That The Teacher Shapes The Problem Situation For The Students, The Students Independently Seek The Solution Of The Problem.

4. One Of The Most Interesting And Effective Methods Is The Case-Study Method. In Solving This Or That Problem, The Student And The Teacher Debate. In This Method, A Written Example Of The Situation In Which The Practice Occurs Is Given. There Are Several Types Of Case-Study Methods, For Example, In A Structured Case, The Student Is Given Minimal Information. The Purpose Of This Type Of "Case" Is To Help The Student Find The Optimal Solution To The Problem. In Some Cases, Only The Key Words Of The Problem Are Given, And The Student Must Rely On Personal Knowledge. In Unstructured Cases, On The Other Hand, There May Be Too Much Information And Not Enough Information. [8,9.]

One Of The Tasks Of Effective Teaching Is To Put This Student In The Position Of Researcher. During The Analysis Of Such "Cases", The Student Must Make Some New Suggestions, In Addition To Applying Previously Existing Theoretical Knowledge Or Practical Skills.

5. The Brainstorming Method Focuses On Developing Creative Skills In Searching For New Ideas, Analyzing And Synthesizing Them. Prohibits Any Criticism At The Stage Of Forming Ideas. The Focus Is On The Number Of Ideas Rather Than Their Quality. This Method Is An Important Specialty And Training In The Training Of Future Designers. Because It Is Very Difficult To Search For Original Ideas And Solve This Or That Design Problem Based On It.

6. The Portfolio Method Is An Innovative Teaching Technology, Which Is Based On The Assessment Of The Results Of Specialization And Educational Activities.

Despite The Diversity Of Educational Technologies, The Role Of The Educator In Education Remains Important. Because The Educator Is Always In The Process Of Looking For New Forms And Methods Of Teaching. Innovations Are Reflected In The Work Of The Educator. They Facilitate The Formation, Consolidation, Knowledge And Application Of Knowledge By Students. Thus, In Ensuring The Quality Of Education, The Teaching Staff Plays A Key Role, And It Is Important To Improve Their Professional Competence And Skills.

3. Results And Discussion

The Use Of Interactive Teaching Methods And Technologies In The Learning Process Requires The Use Of Telecommunication Resources That Ensure The Interconnectedness Of The Participants In The Learning Process, Accelerate The Process Of Processing And Transmission Of Information. "In Order To Expand The Information Space Of Curricula, The Use Of Computers Connected To Internet Resources Can Also Be Included In The Innovative Teaching Method." Method And Methodology In Design; The Need For Obtaining Results. [10]

Creativity And The Ability To Think Creatively Are An Important Element In The Successful Organization Of Future Professional Activities Of Students Studying In Specialties Related To Creativity.

American Scientist D. Wexler Describes "Creative Thinking As A Type Of Thinking That Requires A Person To Come Up With Several Solutions To A Problem Or Issue At Once, And Helps To Understand The Uniqueness Of Things And Events In Contrast To Stereotyped, Boring Thinking." [11]

Being A Creative Person, And In Our Example Being A Creative Student, Means Having Advantages In Today's World, Such As Being Different From Other Students, Having A Different Approach To A Given Task Than Others, And Getting Out Of Problematic Situations In The Design Process. It Is Important To Use Creative Skills Not Only To Create New Ideas, But Also To Improve Lifestyles, Or Aspects Taken Separately, And To Develop An Individual's Inner World.

The Development Of Creative Skills Should Only Be In A Specially Organized Environment. In Order To Use Creative Skills In The Future, It Is Necessary To Include Special Tasks In The Educational Process.

From Such Tasks It Is Better To Make Small, Spatial Volumes Or To Create Abstract Compositions. Because Abstraction Encourages A Person To Think, To Synthesize. [12]

Eighty Percent Of The Design Majors Go Through The Process Of Completing Practical Assignments. In The Process Of Practical Training, The Teacher Spends The Bulk Of Classroom Time With The Student Individually. The Process Of Creative Communication Takes Into Account The Intellectual And Creative Abilities Of The Student, The Psycho-Emotional State Of The Student, The Presence Of Intelligence And Creative Abilities In The Student, The Level Of Preparation In The Formation Of Creative Thinking Of Future Designers.

4. Conclusion

One Of The Problems Of Design Education Is The Lack Of Material And Technical Support. Due To The Specifics Of Education In The Organization Of A Holistic Learning Process In The Field Of Design, Equipped Classrooms With Sufficient Space, Equipped With Modern Design Materials For The Implementation Of Creative Ideas, Experimental Tasks And Specially Equipped Workshops, Manuals, Media Equipment, Specially Programmed Computers Is Important. The Organization Of Such Conditions Is, Of Course, Several Times More Expensive Than The Material And Technical Support Of The Educational Process In The Training Of Specialists In Other Areas Of Education, Such As Managers, Lawyers And Economists.



«Landscape Design» Project Work Of A Student Of The National Institute Of Fine Arts And Design Named After Kamoliddin Behzod Saidov Rustam (3 Ds Max)

An Innovative Method Used Today In The Field Of Interior Design Is To Carry Out This Project In Special Graphics Programs. Because Working In Graphics Programs Has Many Advantages. A Student Working In Such Programs Will Have The Opportunity To Perform Several Variants Of The Project, To Create Freely, To Build The Project Work In 3 Dimensions. Working In Special Programs Such As Photoshop, Corel Draw, Auto Cad, Archicad, 3d Studio Max, Scketchup, Sweet Home 3d, Visicon, Aston Design Saves A Certain Amount Of Time And Allows You To See The Project Work In The Most Realistic Way. Nowadays It Is A Requirement To Have The Skills To Work In Visual Programs. Therefore, The Introduction Of Methods Of Work In Special Programs That Meet Modern Requirements In The Training Process And The Organization Of Their Application, Taking Into Account The Requirements Of The Enterprise In The Training Of Specialists, Serves To Improve The Quality Of Training. Cinema 4d, Google Scketchup, 3ds Max Are Popular Special Programs Among Experts In Modeling And Visualizing Interior Projects. In Addition, With The Help Of Animation Programs Such As Lumion, Animation Engineering, The Project Can Be Depicted Not Only In 3d, But Also In Animated, Video Form. It Is Expedient To Use Graphic Software

Such As Geodetic Works, Designing Of Modern Electronic Equipment, Special Computer Programs, Credo Cad Automobile Design Software, Autocad 2017 And Autodesk Civil 3d In The Development Of Landscape Project Solutions. [13] The Introduction Of New Curricula In The Field Of Design Into The Curriculum Is One Of The Innovative Ways To Ensure The Quality Of Modern Education. The Use Of Video Lessons In Teaching With Programs Is Also Effective. [14]



«Restaurant Interior» Project Work Of A Student Of The National Institute Of Fine Arts And Design Named After Kamoliddin Behzod Tolipova Shakhribon (Sketching Technique)

«Restaurant Interior» Project Work Of A Student Of The National Institute Of Fine Arts And Design Named After Kamoliddin Behzod Tolipova Shakhribon (3 Ds Max)

Any Educational Technology Has Its Drawbacks And Advantages. The Effectiveness Of The Application Of This Or That Technology Depends On The Creation Of The Necessary Conditions. The Choice Of A Particular Form Of Education And The Method Used In It Depends On The Ultimate Goal Of Education. The Considered Educational Technologies Serve To Increase The Professional Competence Of Future Designers.

The Introduction Of New Technologies In The Educational Process, Close Cooperation Of Education With Business, The Use Of Innovative Teaching Methods In Educational Institutions Contribute To The Training Of Young Professionals Who Meet All Modern Requirements Of The Labor Market. Innovative Technologies In Education Allow Us To Regulate Education, To Direct It In The Right Direction.

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