

Design Type Graduate Student Essential Individual Ability Characteristic

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Abstract

Personal traits refer to the characteristics of a person's relatively persistent and stable way of thinking and emotions, reflecting unique personal behavioral tendencies. The factors influencing the formation of personal characteristics of graduate students in design class include the interference of external environment factors and the influence of internal behavior habits and other factors. Besides the common characteristics of graduate students in other disciplines, graduate students in design need to possess personal qualities such as perceptual aesthetic and rational design, spatial imagination, color perception, artistic creation and software application.

Keywords

Design Type Graduate Student; Affecting Factors; Individual Characteristic.

1. Introduction

There are two basic forms of trait: common trait and individual trait. The formation of common characteristics of people is mainly influenced by the social system of a country, and the common characteristics of a country's citizens are the products of the comprehensive influence of politics, economy and culture. However, personal traits are not only influenced by the social system of a country, but also influenced by the behaviors of clan members and family members. From a positive perspective, people's common traits include harmony, radicalization, justice, self-confidence and creation. From a negative perspective, people's common traits include antagonism, conservatism, deviation, anxiety and imitation. People's personal traits are greatly influenced by social and family environment. They not only have common traits of ordinary people, but also show different traits from others, such as sensitivity, magnanimity, tolerance, imagination and beauty. It can be seen that design graduate students must possess corresponding personal characteristics and realize that design is a pre-planned creation activity, whose essence is innovation and creation. Therefore, in the teaching and training of design graduate students, it is proposed to enhance the improvement of personal characteristics. Therefore, it is the basic way to improve the creativity of design graduate students to explore the necessary personal ability traits, which has important theoretical significance and practical value.

2. The Meaning of Trait

Idiosyncrasy in the modern Chinese dictionary refers to "a peculiar quality or quality". According to the American personality psychologist G.W. allport, trait refers to "the

neuropsychological structure that possesses the same capacity for making many stimuli functionally equivalent to enlighten and direct equivalent forms of sexual behavior." This suggests that trait is a neuropsychological structure and an important element of personality. As the basic construction unit of psychological organization, trait is some stable character characteristics formed by each person based on his physiology. Allport also pointed out that personality traits can be divided into common traits and individual traits. Common traits are the common traits Shared by most people or a group in the same culture. Personal traits are unique traits on individuals, which represent individual personality differences and individual cognitive and behavioral tendencies. Personal traits can be divided into three types according to their role in reality. First, primary traits, which are the most typical and generalized and persistent traits of an individual, will affect all aspects of his thoughts and behaviors. If sentimental is Lin daiyu's first quality; Secondly, the central trait refers to the 5-10 important traits that constitute the uniqueness of an individual. These traits jointly determine several behaviors of an individual, rather than all behaviors, and can represent the main behavioral tendency of an individual. The third, secondary traits, are the less important characteristics of an individual that can only be expressed in special situations. These traits can only be perceived by classmates or relatives, but not by others. [1]

As far as design graduate students are concerned, their primary personality traits are creation ability, rational aesthetics, spatial imagination, color perception, innovation ability and related software application are the central characteristics, while the love and fear of design are the secondary characteristics. As far as design graduate students are concerned, their primary personality traits are creation ability, rational aesthetics, spatial imagination, color perception, innovation ability and related software application are the central characteristics, while the love and fear of design are the secondary characteristics.

3. Factors Influencing the forMation of Personal Traits

The formation of personal characteristics of design graduate students is restricted by many factors, including not only external environmental factors such as society, politics, economy and culture, but also internal environmental factors. However, personal behavior habits, teaching philosophy and content of teachers and information network are the main factors influencing the formation of personal characteristics.

First, the influence of their own behavior habits. Lack of strong learning self-control is a common behavior of graduate students. In the learning process, they do not study with problems, but learn the basic knowledge of textbooks step by step. Restricted by the traditional learning mode, students have a single thinking mode, lack the spirit of asking questions actively, and cannot carry out in-depth research on improving their professional characteristics. And, of course, the students' learning behavior is also influenced by school spirit, school spirit to the cultivation of student's innovation ability is extremely important, if the school is low to the requirement of talent cultivation, or individual teacher cannot responsible, also can give students learning the wrong message, will think that their quality has reached the requirements, is bound to lose the pursuit of higher goals in life.

Secondly, the influence of teachers' teaching concept and teaching content. At present, there is little difference between the education mode of domestic design graduate students and that of undergraduate students, which cannot get rid of the limitation of traditional education mode, and the teaching concept and content are not novel. Teachers' choice of course content in class is contrary to the improvement of graduate students' innovative ability, resulting in students' lack of cutting-edge theoretical knowledge in fine arts, design, aesthetics, history, psychology and other disciplines, thus forming a generally weak situation in art perception ability. In addition, graduate students pay more attention to the performance of professional courses and the basic mastery of professional knowledge and skills in the learning process. As a result, most

graduate students in design class lack enough innovative thinking ability due to their lack of innovative consciousness. In addition, some teachers, out of the need to complete the teaching objectives, adopt the teaching method full of knowledge and skills, instead of asking students to make targeted classroom discussion on a certain art problem, which virtually suppresses students' imagination and creativity.

Finally, the influence of information network. With the rapid development of information technology and the arrival of the Internet age, the dissemination of resources is more convenient, making students exposed to the network resources will be affected by various unhealthy ideological trends. For example, some thoughts of money worship in the society cause students to become more impetuous in the process of learning and research, and even some students can't extricate themselves from the addiction to online games. There are some students use the Internet to acquire knowledge, communication with people is less, its close in the space that belongs to oneself alone, indifferent to others, come down for a long time, is likely to lose the ability of communication, this reduces the ideological breakthrough, academic progress, cannot be targeted to the related traits of their needs to pay.

4. Design Graduate Students' Personal Qualities

4.1. Perceptual Aesthetics and Rational Design

"Aesthetic ability" in the aesthetic big dictionary ", "dictionary of philosophy and so on many big authoritative dictionaries and related literature is regarded as a kind of special ability, is the main body in perception, imagination, emotion and creative activities must have psychological ability, and traditional psychology think, is engaged in the aesthetic activities and shows the characteristics of the psychological. In western aesthetics, the relationship between reason and sensibility is not harmonious. Human sensibility is the main research object. For example, baumgarten, the "father of aesthetics", is the research focus of sensibility. In contrast to China, aesthetic thought is based on the basic pattern of harmony between sensibility and rationality, and the mainstream is the concept of "neutralization". As recorded in the doctrine of the mean, "happiness, sorrow and happiness are not yet in the middle; Hair and the section, the sum of that. In also, the world's big also; And also, the world's road also. To neutralize, the status of heaven and the breeding of all things." It shows that "neutralization" is the neutralization of sex and emotion, and the unification of sensibility and reason. [2]

Perceptual aesthetic ability and rational design ability are one of the necessary personal characteristics of design graduate students. Perceptual aesthetic ability takes perceptual thinking as the guidance to improve aesthetic ability, while rational design ability takes rational thinking as the condition to improve comprehensive analysis ability. Students not only need to have emotional aesthetic ability, but also need to have logical and careful rational design ability. Perceptual aesthetic ability emphasizes the integration of aesthetic object and human emotion, excavates emotional factors, and contains related factors in design works. Graduate design, therefore, need to design objects give full thinking, proposed from the perspective of rational thinking, the works of design method, analysis and comparison are made on the design idea and design style, comprehensive and summary, strive to become the creator of the work rather than imitators, and in the aspect of color, shape, and many other design elements are sensitive perceptual esthetic ability. Only in this way can the practical and aesthetic value of the works be enhanced. Graduate students, such as architectural design aesthetics, art knowledge scarce, widespread lack of perceptual aesthetic ability, which caused most of the students after graduation for senior architectural craftsmen rather than become a real sense of architects, therefore, to strengthen the graduate design task of aesthetic education is imminent, it is an important link to improve students' aesthetic ability.

4.2. Spatial Imagination

Famous physicist Einstein believed that imagination is more important than knowledge. Compared with knowledge, imagination is the innovation and creation based on knowledge accumulation and the source of knowledge evolution. He argued that "there is no necessary logical connection between the possession of large amounts of materials and the development of new scientific ideas, but only a non-necessary intuitive connection". Van't hoff, a famous chemist in the 19th century, once investigated some scientists' ability of "imagination" and found that the more outstanding people have highly developed imagination. Psychology points out that imagination is the psychological process of associating the image that one feels with the memory storage in one's own mind, and producing a new image through processing and reorganization. Imagination is not just a matter of innate differences in the human brain. The so-called spatial imagination is people's ability to observe, analyze and abstract thinking of the spatial forms of objective things. This ability is characterized by: good at forming the spatial shape and concise structure of the research object in the mind, and able to carry out some analysis and solution of the object, and carry out corresponding thinking in the mind. [3]

Spatial imagination ability is another necessary personal characteristic of design graduate students. Space is an important content of design, both environmental design and product design need to give space imagination to their design content, and design on this basis. Spatial imagination ability will be affected by the cultural attainment or knowledge structure of the subject itself. If the subject does not have the accumulation of basic knowledge of artistic design, the so-called "spatial imagination" will not appear out of thin air. The development of spatial imagination generally goes through two stages: analysis, preparation and creation. In the preparation stage of analysis, students observe and think about design objects based on what they have learned, compare, summarize and extract various design elements, and then apply rich "imagination" to space design works. In the creative performance stage, students are required to conduct practical research, and also to refer to and read a large number of literature, so as to provide theoretical basis for design. At this stage, the plan needs to be abstracted and transformed into a three-dimensional space structure through spatial imagination, and then the rigid diagram is transformed into a real scene, finally showing the desired spatial form.

4.3. Color Perception Ability

Seeing color from a distance and shape from a close up is a common way for people to observe an object. Color is the most prominent factor in the process of conveying an object. "Color" in painting, art design in a very important position, is full of rendering power of the art language. Ancient and modern poets and painters at home and abroad often use colors to reflect the poetic meaning of the scene. For example, in the poem ode to geese, luo binwang lyricized four colors -- white, green, red and green -- in the poem ode to geese. "Color ACTS as a cue," says psychologist Russell fostandig. "it's a condensed message with a variety of meanings." [4] It is the suggestive effect of color that when people see red, they will rise from concrete association to abstract association, and get the implied meaning of blood, rosy clouds or enthusiasm and warmth.

Color perception ability is also one of the necessary personal characteristics of graduate students in design. This is because of its defects in color cognition and application, which need to be further improved and strengthened. In the aspect of color cognition, students need to make clear the concept and connotation of color. As one of the important elements of plastic art language, color plays an indispensable role in both pure art and artistic design. In the use of color, focus on strengthening the color hue, brightness, purity, temperature, complementary color contrast and tone, visual perception and symbolic meaning of the design. For example, the symbolized red represents vitality and enthusiasm, which makes Nike stand out. While the design of red, orange, yellow and other warm colors has a warm, exciting and lively feeling. On

the contrary, the design of green, blue, purple and other cool colors has a cool, calm and serious rhyme. Color imperceptibly dominates people's aesthetic way and expression way. Rich color is the need to inject fresh factors into art[5]. As Emile nold said, "color, artist's material." When the artist gives color meaning, color becomes a meaningful form. By drawing on the essence of fine folk traditions and combining modern design language, we can create contemporary, national and international visual design works. Therefore, design graduate students should not only have a keen sense of color, but also show the cultural connotation contained in color, so as to improve the aesthetic pleasure of design works[6].

4.4. Artistic Creativity

The ability to generate new ideas, discover and create new things is creativity, and the idea is to create new things that have never been done before. When a person designs, invents or creates new things, it is called creative activity. Therefore, creativity is a necessary psychological quality for the successful completion of a certain kind of creative activity. At the same time, it needs intelligence, experience, creative motivation, creative method and related knowledge to produce creation[7]. Since the primitive society, when humans use stones as tools, it is the manifestation of a kind of creativity. Design is closely related to creation. American psychologist chikxentmihalyi defines design as a creative process. The creation of human beings is the effort made in the pursuit of self and display of self, no matter in science or artistic design, there is no exception.

Artistic creativity is also one of the necessary personal characteristics for graduate students majoring in design, because artistic design activities are highly creative activities, which can change personal image, urban appearance, lead fashion, shape enterprise brand, and even become cultural symbols. Picasso once said, "children are born artists." But as we grow older, we lose artistic inspiration and creativity. All new things need to use a creative way of thinking, no thinking of innovation, no thinking of innovation, there is no innovation of things. And the cultivation of creativity requires external environmental conditions. The famous American educator carberry believes that the most important condition of good teaching is to develop some effective study habits and independent thinking, and the creativity comes from such independent thinking[8]. However, teaching requires students not to make mistakes, imprison students' thoughts and stifle their creativity. So the design classes students need to be more important than professional knowledge creativity, break the inertial thinking, establish a unique design ideas, develop their creative ability, the liberation of nature, form the unique personality, in a new way of thinking to solve the problem, change and guide the aesthetic level, enrich people's spiritual needs, better to improve the design process, make a design more effective service for the society.

4.5. Learning Software

With the development of digital image and network technology, the demand of art design talents who master the application of new computer technology in all fields of society is increasing day by day, which makes the thinking and inspiration which cannot be expressed in words and drawings come true. For students majoring in design, it is necessary to master relevant design software, such as cad, 3Dmax and PhotoShop[9]. As a drawing design tool, AutoCAD has outstanding performance and powerful functions in architectural design and product design, while 3DMax is unique in making 3d animation scenes.

According to the design content, the graduate students of design need to learn the corresponding design software. In a wide range of design software, most of the use of design software is relatively simple, but the study has the certain difficulty, a small number of design software design software such as Photoshop and 3 so on 3dmax, its powerful function, wide application, strong professionalism, to stimulate students interest in learning software, improve the students' innovation ability and practice ability, so ask the graduate design in

addition to learning basic knowledge of professional design, the choice of more targeted professional design software for learning and innovation.

5. Conclusion

Personal traits are the products of individual influenced by social, educational, family and other environmental factors. Their formation and change will also produce qualitative changes with the changes of social, educational, family and other environmental factors. The research on the formation of personal traits in design class has attracted much attention from the society. It has become an important direction for the teaching and research of graduate students in design class to explore their diversified and creative personal qualities.

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