The Design of Campus Outdoor Learning Exchange Space in Colleges and Universities

Shi-ying WANG
Infrastructure Department of Linyi University, Linyi, Shandong, China, 276005

Keywords: Outdoor learning space, Learning atmosphere, Activity, Atmosphere.

Abstract. The main activity of the campus - college students, which is characterized by: physical maturity, and psychological, behavior and other aspects is not mature enough, The environment has a great impact on them, so through the campus design security, accessibility, privacy, Comfortable, quiet, pleasant human campus outdoor learning exchange space, to create a rich learning atmosphere, cultural atmosphere of the campus environment, not only can make the students learn, exchange activities from the room extended to the outside, expand the students to learn, exchange space, But also can greatly stimulate the interest of college students to learn to enhance the opportunities for students to communicate with each other, so that students have more knowledge, skills, better communication and communication skills, so as to transport the community more talent

Introduction

According to the “China Education Reform and Development Program”, the goal of China's education at the beginning of this century is to build a relatively mature and perfect socialist education system and realize the modernization of education. The famous American social psychologist, the main representative of the modern theoretical psychology school, has served as Stanford University and Harvard University professor Alex Ingalls stressed: “in any society and at any time, people are modern The basic elements of the process. “He believes that modern research must be human core. And our country's party and government have always stressed that all people-oriented, so as a school of education, especially colleges and universities, the construction of its campus should be based on college students, students should be mature from the physiological, but the psychological development is lagging behind, The behavior of the environment by the greater impact of psychological and behavioral characteristics, the construction of a rich cultural atmosphere, a strong academic atmosphere of the campus. And this campus has a strong academic atmosphere, rich cultural atmosphere to create, not only important in the classroom, library, laboratory and other indoor space, but also lies in the university campus outdoor learning exchange space construction.

The Status of Campus Outdoor Learning Exchange Space

As the college students to study and live the main space of the campus, the purpose of its construction is to enable students in the meantime during their lives, learning, master more knowledge and skills, and contemporary college students is the main feature of the physiologically mature, but Psychological development is lagging behind, psychological conflicts and contradictions occur from time to time. From the psychological point of view, very stressed the independence, pay attention to the establishment of self, but desire for friendship, with more communication needs, so affected by the surrounding environment, herd behavior is strong. So that college students to master more knowledge and skills to make it in a strong learning atmosphere, rich cultural atmosphere, easy to exchange, thinking about the environment, to stimulate their interest in learning, improve their ability to learn independently, to cultivate its sound Personality has a vital role. We can look at most of our campus, especially the campus construction of the new campus, as the famous ancient architecture, ancient garden experts - Chen Chong Zhou in his book “said the garden” wrote: “China ancient making garden, mostly as the Buildings for the first shep.
Building is main of the garden, supplemented by trees and stone, it’s for the construction of the collage of the material also. “Otherwise, to live in the first chisel pond paving the way, the main building after the fall, a garden is not built, easily move million gold, And visitors have no shelter, primary and secondary inversions, then into the empty garden “[1] Now a lot of campus environment construction, especially the campus construction of the new campus invested a lot of manpower, material and financial resources, planting high specifications of the nursery stock, and even transplant trees, old trees, the construction of high standard garden road, but teachers and students to study, Communication, thinking and other space construction, but extremely poor, resulting in students in the huge campus, even to find the activities of the shelter, let alone suitable for human learning, exchange space.

The Campus Outdoor Learning Space Design Principles

According to the theory of landscape design, ergonomics, architecture, psychology and so on, starting from the students 'psychological, physical and behavioral characteristics, combined with the students' needs of learning, communication and thinking,, So that students learn to exchange places from the indoor to the outside for the purpose of creating a rich cultural atmosphere, a strong cultural atmosphere of the campus environment as an opportunity to further stimulate students to learn the desire and interest, so that students master more scientific knowledge, Skills, and then cultivate a comprehensive development of high-quality talent.

Safety Principles

American psychologist Abraham Maslow in the “theory of human incentive theory” put forward, human needs, like ladder from low to high by level into five, namely: physiological needs, security needs, social needs, respect for demand and Self-fulfilling demand. Human learning activities are a high-level demand activity on human's physiological needs and safety needs, which are embedded in human social needs, respect for needs and self-fulfilling needs. Therefore, the outdoor learning space should be safe and safe.

And the safety and security of the outdoor space should have the basic conditions are: first constitute the bottom of the space pavement surface, constitute the space side of the interface plants, buildings, sketches, and constitute the top interface of the sky, building roof and other components Of the elements, should be stable and safe; followed by the back of the human body to have a safe dependency, that is, behind the object to be protected, and the front to have a certain personal space; another vision in front of the appropriate open, and the outside line of sight A certain angle can be seen inside the activities. So as to be able to use the main body from the heart feel in their own around the formation of a safe space to prevent [2].

Accessibility

Young Gail in his book “Communication and Space”, he teaches people's outdoor activities into three categories: necessity activities, spontaneous activities, and social activities. Although learning activities are a necessity activity, outdoor learning activities are a spontaneous activity that is included in spontaneous activity and social activity. For the necessary activities, before the event, people often cannot consider the distance and time to reach the event place, and for spontaneous activities, people before participating in activities, its arrival and departure time and time will be the main consideration Factor. And in the “Wechsler Dictionary”, the spontaneous definition is: internal control and guidance: triggered by the impulse [3]. Therefore, as a kind of spontaneous activity-based outdoor learning activities, students in the outdoor study, it is necessary to first consider their classroom or dormitory and outdoor learning places the distance, the time required to reach the place, and its way Whether it is convenient, if the distance away, take too long, the road is not good to go, then the excitement of its outdoor study will be canceled for these reasons. So outdoor learning places must have a convenient, fast to reach the characteristics.
A Certain Degree of Privacy
People in the public space both want to interact with people, but also want to have their own personal space [4], and outdoor learning space as a public space, in ensuring the safety of the premise, the need for a Private environment. In environmental psychology theory, privacy refers to the individual to selectively control others or groups close to themselves. Therefore, for the individual privacy is a relative concept, is the use of the main body according to their own psychological and different needs of the activities of the definition of the same for the outdoor learning space, the different forms of learning activities on the privacy requirements are also different. Such as morning reading space and afternoon with two or two people to learn or discuss the problem of space, its privacy requirements are different, morning reading space privacy than two or three people to learn the privacy of space is lower. And the privacy of space is through the space of the enclosed, and mainly through the vertical direction of the space to determine, for the privacy requirements of the lower, the vertical direction of the relatively small side of the half enclosed space. And for the privacy requirements are relatively high, then increase the vertical direction of the space and the top of the Wai, the formation of high privacy multi-faceted closed or closed enclosed space. The same outdoor learning space is also through the space of the physical boundary, according to different students, different learning activities, the space will be partially or all surrounded, so that learning space and its surrounding environment in the visual, auditory and other aspects of a certain isolation, In the students to form a psychological sense of the field, a sense of privacy [5].

Comfortable Facilities
Learning is a need for a long time to focus on the focus of activities, and have comfortable tables and chairs and other minimum facilities in order to enable students to study for a long time, focus. Based on the ergonomic research that minimizes fatigue as much as possible in a small space as a result of its initial research, the facilities required for human activities have a range of dimensions that are most suitable for human dimensions, within this scale The body of the activities of the most comfortable, healthy, long. Therefore, in order to make students studying in space learning, their learning and communication activities can be comfortable and prolonged for a long period of time, we should set ergonomic requirements in space and meet the facilities and facilities necessary for learning activities.

Comfortable and Pleasant Environment
Outdoor learning activities as a spontaneous activity, only in the appropriate outdoor conditions will occur, and the appropriate conditions, including natural conditions and man-made conditions, natural conditions, including sunlight, temperature, wind and other non-human factors can control, While the human condition is mainly the quality of the event itself and the surrounding environment. For the construction of comfortable and pleasant campus outdoor learning space, the natural conditions that we cannot change, then we can only improve the quality of the venue to enhance the surrounding environment to meet the teachers and students to the requirements of outdoor learning places.

Conclusion
Feel safe, comfortable to use, beautiful environment, with a cultural, humane campus outdoor learning space, not only in the meantime to learn, exchange students, with good, pleasant psychological feelings, efficient learning efficiency, but also subtle Cultivate students' perseverance, hard work, elegant character, but also to stimulate other students' interest and desire to learn, to induce more students to participate in the meantime, to learn, think, exchange and other meaningful activities, and the resulting - a benign The process of cycling to motivate more students to devote more time to learning activities, so that students learn more knowledge in unknowingly, master more skills, but also in the campus to create a strong learning atmosphere, Rich cultural
atmosphere, and then enhance the academic atmosphere of the campus, cultural connotation, highlight the spirit of the university. But also can enrich the campus landscape level and landscape content, improve the campus landscape effect.

References