

## **A Study on Talent Cultivation Strategies for Film and Television Photography and Production Professionals Oriented to Sports Specialty Students in an Interdisciplinary Context**

**Xiao Gong**

*Qingdao Film Academy, Qingdao, Shandong, China*

**Abstract:** With the rapid development of the film and television industry and the increasing prosperity of the sports industry, interdisciplinary education plays an increasingly important role in talent training. The purpose of this paper is to explore how to develop an effective talent cultivation strategy for film and television photography and production majors in the interdisciplinary context, combined with the characteristics of sports speciality students. Through in-depth analysis of the advantages and shortcomings of sports special students, combined with the actual needs of film and television photography and production majors, this paper puts forward a series of cultivation strategies, with a view to cultivating composite talents with sports literacy and film and television technology dual capabilities. Sports speciality students have good physical quality and teamwork ability, and these qualities are especially important in the process of film and television production. However, they may have deficiencies in artistic expression and technical operation. Therefore, to address this situation, this paper suggests increasing the proportion of artistic aesthetics and technical practice in the curriculum, and enhancing students' comprehensive quality through project practice and interdisciplinary cooperation. Emphasis on the combination of sports and film and television. By offering special courses such as filming of sports events and production of sports documentaries, students can gain an in-depth understanding of the operation and filming techniques of sports events while learning film and television technology. In addition, through the introduction of industry experts and off-campus practical training, students' practical operation ability and

industry adaptability are enhanced. Focus on cultivating students' innovative thinking and cross-border co-operation ability. Students are encouraged to participate in interdisciplinary projects to develop their ability to solve complex problems and their sense of innovation, so as to better adapt to the development needs of the film and television industry. Through the above strategies, this paper expects to provide a more comprehensive education for sports speciality students majoring in film and television photography and production, and to cultivate high-quality composite talents with both sports literacy and proficiency in film and television technology.

**Keywords:** Sports Film and Television; Sports Special Students; Film and Television Photography and Production; Interdisciplinary; Talent Cultivation

### **1. Preface**

In the context of the era of globalization and informationization intertwined, the cultivation of talents is increasingly showing the characteristics of interdisciplinary and comprehensive[1]. Especially in such a specialized field as film and television photography and production, where technology and art are closely integrated, the interdisciplinary education mode is especially crucial. As a group of students with special skills and qualities, sports students have significant advantages in physical fitness, sports skills, etc., and these advantages in the field of film and television photography and production can also shine.

Film and television photography and production majors[2], as a fusion of photography technology, video art, post-editing and other areas of comprehensive disciplines, for the increasingly diversified

requirements of talent. Sports students, who not only show excellent ability in sports competitions, but also have a keen observation of sports moments and the ability to capture, which provides them with unique conditions to get involved in the field of film and television photography and production[3]. However, how to effectively transform these advantages of sports students into film and television photography and production skills, and cultivate composite talents with both sports literacy and proficiency in film and television technology is an important issue facing the field of education at present. Interdisciplinary education is the key to solve this problem. Through interdisciplinary education, we can break the traditional disciplinary barriers and integrate the knowledge and skills of sports, art, film and television and other fields into a comprehensive and in-depth professional training program tailored for sports students.

Therefore, the purpose of this paper is to discuss in depth the professional talent cultivation strategy of film and television photography and production for sports special students in an interdisciplinary context[4]. We will propose a series of targeted and operable training strategies by analyzing the characteristics and needs of sports special students and combining them with the actual situation of film and television photography and production majors. These strategies aim to give full play to the advantages of sports special students, make up for their deficiencies in film and television technology, artistic aesthetics and other aspects, and lay a solid foundation for their development in the field of film and television.

Through the research of this paper, we expect to provide useful reference and reference for the interdisciplinary education of film and television photography and production majors in colleges and universities, to promote the innovation and development of talent cultivation mode, and to contribute wisdom and strength to the prosperity of the film and television industry and the progress of the sports industry.

## **2. Characteristics and Needs Analysis of Special Sports Students**

In the film and television photography and production majors, as a group of students with special backgrounds and advantages[5], the

characteristics and needs of sports students deserve our in-depth analysis. They not only excel in sports competition, but also often have some unique qualities and potential, these characteristics and needs for film and television photography and production professional talent cultivation strategy has an important guiding significance.

### **2.1 Characteristics of Sports Specialty Students**

Sports students usually have excellent physical qualities[6], including strength, speed, endurance and other aspects. This makes them able to easily cope with various sports scenes and capture more dynamic and realistic images when shooting sports-themed film and television works. Sports specialists have professional sports skills, in-depth knowledge and practical experience in various sports. This provides them with rich materials and inspiration, and enables them to show their unique perspectives and expressive power in film and television works. In the long-term training and competition, sports students have formed a good teamwork spirit and communication ability. This ability is equally important in film and television production, which helps them to cooperate effectively with other team members and complete the project together.

### **2.2. Needs Analysis of Sports Specialty Students**

Although sports specialties students excel in sports, they often lack systematic learning and practice in film and television photography and production techniques[7]. Therefore, they need to receive professional training in film and television technology and master basic skills such as photography, editing and sound effects. Film and television photography and production not only requires technical proficiency, but also good artistic aesthetic ability. Sports specialties students usually have a deep understanding of sports aesthetics, but they may be relatively deficient in film and television art. Therefore, they need to improve their artistic appreciation of film and television works and cultivate their creative thinking. As sports specialty students have an interdisciplinary background, it is easier for them to understand and accept the integration of interdisciplinary knowledge[8]. In Film and

Television Photography and Production, they need to learn how to combine sports knowledge with film and television technology to create works with both sports characteristics and artistic value. Sports specialization students have unique advantages and potentials in film and television photography and production majors, but there are also some shortcomings. In order to give full play to their characteristics and meet their needs, we need to develop targeted interdisciplinary talent training strategies. This includes strengthening the teaching and practice of film and television technology, enhancing artistic aesthetic ability, and promoting the integration of interdisciplinary knowledge. Through these measures, we can cultivate composite talents with both sports literacy and proficiency in film and television technology, injecting new vitality into the development of the film and television industry.

### **3. Talent Cultivation Strategy in the Interdisciplinary Context**

Building a comprehensive curriculum system is the key. This system should integrate the professional knowledge of film and television photography and production with the content of sports, art and other related disciplines, aiming to cultivate students with interdisciplinary knowledge structure and vision[9]. The curriculum should include basic theory courses, practical skills courses and interdisciplinary elective courses to ensure that students can understand and apply the knowledge of other disciplines while mastering the basic skills of film and television photography and production. Strengthening the practical aspects is essential. Through the organization of practical activities, internships and training, and project cooperation, students can exercise their skills and accumulate experience in practice. Especially for the characteristics of sports specialties students, they can be organized to participate in sports-themed film and television projects, so that they can improve their professional skills and interdisciplinary application ability in practice. Meanwhile, it is also crucial to establish an interdisciplinary teaching team. This team should be composed of teachers with different disciplinary backgrounds to jointly design teaching programs and carry out teaching activities.

Through the communication and cooperation within the team, the sharing of teaching resources and complementary advantages can be realized, and the quality and effect of teaching can be improved. In addition, encouraging interdisciplinary research and innovation is also an important part of the cultivation strategy. Through the establishment of interdisciplinary research projects and the organization of innovation competitions, students' research interests and innovative spirit are stimulated. At the same time, strengthening cooperation with industry and promoting the integrated development of industry-university-research will provide students with more practical opportunities and employment channels. It is also necessary to establish a scientific evaluation system. This system should comprehensively consider students' mastery of interdisciplinary knowledge, level of practical skills, innovation ability and comprehensive quality to ensure the objectivity and fairness of the evaluation results. At the same time, through the feedback mechanism, timely adjustment of teaching strategies and optimization of talent training programs.

Talent cultivation strategies in the interdisciplinary context need to take into account the curriculum, practice, teaching team, research and innovation, and evaluation system and other aspects[10]. Through the implementation of these strategies, high-quality talents with both professional skills in film and television photography and production and interdisciplinary literacy can be cultivated, injecting new vitality into the development of the film and television industry.

### **4. Integration and Innovation of Film and TV Photography Skill Cultivation and Production Technology**

In the interdisciplinary background to the sports specialties of film and television photography and production professional talent training strategy research, film and television photography skills training and production technology integration and innovation is the core link. This fusion innovation is aimed at combining the sports skills and artistic perception of sports students with film and television photography technology to cultivate film and television

talents with both professional skills and creativity. In view of the characteristics of sports students, we can design a series of specialized training courses in film and television photography skills. These courses not only include basic photography techniques, composition skills, use of light, etc., but also should be combined with the characteristics of sports, teaching how to capture the wonderful moments of sports, show the athletes' physical beauty and sense of power. At the same time, through case studies and on-site teaching, students can deeply understand the essence of sports photography and master its unique shooting techniques and perspectives. The integration and innovation of production technology is also the key to talent training. With the continuous development of science and technology, film and television production technology is changing day by day, and new technologies such as virtual reality, augmented reality, artificial intelligence and so on provide a broader space for film and television creation. In the process of talent training, we should actively introduce these new technologies, so that students can understand and master their basic principles and application methods. At the same time, students are encouraged to try to utilize these new technologies in their film and television works to create works with more visual impact and artistic influence. Interdisciplinary integration is also an important direction for the integration and innovation of film and television photography skills training and production technology. We can cooperate with other disciplines such as physical education, art, computer science, etc., and jointly design interdisciplinary courses and programs, so that students can broaden their horizons and enhance their abilities in the cross-fusion of multiple disciplines. For example, we can cooperate with the College of Physical Education to offer sports photography courses, so that students can have an in-depth understanding of the relevant knowledge of sports science; and cooperate with the College of Arts to carry out practical programs for film and television creation, so as to enhance students' artistic aesthetics and creative ability. The cultivation of innovation ability is also a part that cannot be ignored. Through organizing creative competitions and setting up innovation funds, students' enthusiasm and potential for innovation are stimulated. At the

same time, students are encouraged to participate in the production of actual film and television projects, so that they can exercise their skills, accumulate experience and enhance their creative ability in practice.

The talent cultivation strategy of film and television photography and production for sports specialties in the interdisciplinary background should focus on the integration and innovation of film and television photography skills training and production technology. Through the design of specialized training courses, introduction of new technologies, interdisciplinary cooperation and cultivation of innovation ability, we can cultivate film and television talents with both professional skills and creativity, and contribute to the prosperous development of the film and television industry.

## **5. Conclusion**

The implementation of interdisciplinary education mode has a significant effect on cultivating compound talents with both sports specialties and film and television skills. This education mode not only promotes the integration of knowledge between different disciplines, but also enhances the comprehensive quality and innovation ability of students. The participation of special sports students in film and television photography and production has injected new vitality and creativity into this field. In view of the characteristics and needs of sports specialties students, we have constructed a comprehensive curriculum system and practical links. By integrating the specialized knowledge of film and television photography and production with the contents of related disciplines such as sports science and art, students broaden their horizons and enhance their interdisciplinary application ability while mastering the basic skills. The design of practical sessions, on the other hand, enables students to exercise their skills, accumulate experience and enhance their ability to solve practical problems in practice. The establishment of interdisciplinary teaching teams and the development of interdisciplinary research and innovation activities also provide strong support for talent cultivation. Teachers in the teaching team have different disciplinary backgrounds, and their cooperation and exchanges help to realize the sharing of

teaching resources and complementary advantages. Interdisciplinary research and innovation activities, on the other hand, stimulate students' innovative spirit and desire for exploration, and promote communication and integration between disciplines. This study also emphasizes the importance of evaluation system in the process of talent cultivation. By establishing a scientific evaluation system, we can comprehensively and objectively assess students' learning outcomes and comprehensive quality, providing a basis for teaching improvement and optimization of talent cultivation programs. The talent cultivation strategy of film and television photography and production oriented to sports specialties in an interdisciplinary context is effective. In the future, we will continue to deepen the research and practice in this field, explore more talent training modes that meet the needs of the times, and contribute to the prosperity of the film and television industry.

#### **Acknowledgement**

This work was supported by the Project Supported by Research Fund of Qingdao Film Academy, QXM2205.

#### **References**

- [1] Zhao Wenzhe. Exploring the Genre Writing of Chinese Sports Movies--Taking the Film "Winning the Championship" as an Example. *Chinese Newspaper Industry*, 2021 (24) 11-12
- [2] Wang Yimin. Chinese Sports Movie Classics and the Construction of National Spirit. *Journal of Huaiyin Institute of Technology*, 2021 (06) 31-33
- [3] Xiong Jingqing, Lu Peng. Study on the Genreization Path of Sports Theme Films. *Film Literature*, 2021 (22) 23-24
- [4] SHI Chengcheng, LIU Chuanxia. On the Narrative of Women's Athletic Sports and the Image of Female Athletes in Xie Jin's Sports Films-From Women's Basketball No. 5 to Women's Soccer No. 9. *Art Wide Angle*, 2021 (06) 15-17
- [5] Wei Yunhao. Research Strategy of Chinese Sports Movie in the New Century. *Journal of Lanzhou Jiaotong University*, 2021 (05) 14-18
- [6] Gao Qiong. The Shaping and Emancipation of Aesthetic Perception--A Review of the Conference on "Contemporary Aesthetics of Controversy and Construction 2020". *Research on Mar Aesthetics*, 2021 (01) 23-26
- [7] Nian Yue. Genre Integration, Micro-Narrative and Body Landscape: An Ecological Scan of Chinese Sports Movie Creation in the 21st Century. *Movie Review*, 2021 (18) 11-12
- [8] Li Heyi. Beyond: Narrative Strategies and Ontological Reflection on Sports Film Genres. *Film Criticism*, 2021 (18) 25-26
- [9] Li Ning. Gender Narrative and Body Politics in Domestic Sports Films--Taking Women's Basketball No. 5, Sand Gull, and Winning the Championship as Examples. *Movie Review*, 2021 (18) 45-46
- [10] Fei Chenguang, Zhao Rui. Narrative and Symbol: The Functional Interpretation of Coach Image in Chinese Sports Films in the 21st Century. *Movie Review*, 2021 (18) 36-38