

The Construction of Teaching Team of Programming Course Group

Jing Chang

Institute of Information Science and Technology South China Business College Guangdong
University of Foreign Studies, Guangdong, Guangzhou 510545, China.

78972493@qq.com

Abstract. This paper mainly introduces the concept, practice and achievements in the process of teaching team construction of programming course group. This paper puts forward the establishment of scientific teaching team structure system, enhances the cohesion and centripetal force of team members, establishes and perfects the guarantee mechanism of teaching team construction, and puts forward some plans for team building in the future.

Keywords: teaching team; course group; team building.

1. The Reasons for the Construction of Teaching Team

In the process of implementing teaching, most of the students do not associate the knowledge points with the leading and follow-up relationship courses, the mastery of knowledge is not flexible enough, and the ability to summarize and generalize is lacking. In the course study, the students often fall into various details and can not master the overall situation of the knowledge they have learned. Based on the construction of the teaching team of the curriculum group, the interaction between the teachers can be enhanced, the knowledge points among the courses of the curriculum group can be opened up, so that the students can integrate the knowledge in each course and achieve the purpose of one thing against the other.

Curriculum construction is the key point of teaching reform, which plays a very important role in optimizing the teaching process and improving the teaching quality. It is very necessary for teaching research and teaching quality to communicate with each other among curriculum teachers with leading and follow-up relationship. Teaching team is a kind of formal group based on related disciplines and specialties. This group aims at improving teaching quality and sets up teaching team with curriculum group as the core, which can promote the communication and communication between adjacent and related course teachers, promote teaching research and improve the quality of talent training.

2. The Present Situation of Teaching Team Construction

2.1 Team Members Lack Common Goals

The setting of team goals is not only the basis of team building, but also the guide of team action, and it is also the most important thing of team building. At present, the teaching team has high degree of freedom, the goal is not clear, the team members each according to their own teaching methods to teach, teaching and scientific research innovation is impossible to talk about. The teaching team goal is not related to the individual goal, which leads to the low enthusiasm of the team members and can not play its due role, which hinders the construction of the teaching team.

2.2 Lack of Guarantee Mechanism for Team Building

In the aspect of teaching team management, team leaders have no autonomy, team building often represents the will of the administrative department, the initiative and innovation of team members are frustrated. The division of labor of teaching managers is not clear, which makes it difficult to implement all kinds of teaching management. The formation of teaching team is random, the organization is loose, the frequent flow of teachers, the membership of teaching team is not fixed, which is not conducive to team building. The performance evaluation index of the school focuses on

the individual evaluation of teachers, neglecting the important contribution of teachers to the teaching team, resulting in teachers only pay attention to personal development, rather than spend more time and energy on team building.

3. The Strategy of Teaching Team Construction

3.1 Attach Importance to the Construction of Teaching Materials and Teaching Resources

In the process of programming course group construction, we should make full use of modern teaching means and multimedia teaching equipment in each course, so that students can easily understand the abstract course content. For example, in the difficult part of the course of "data structure and algorithm", the dynamic demonstration system is used to show the students the execution process of the relevant algorithm and the application of the corresponding data structure, and good teaching results have been obtained, making full use of modern information technology and promoting the reform of teaching means.

3.2 Integrate Individual Goals to Form Common Goals

Setting up the goal of teaching team is the foundation and prerequisite of teaching team construction. When establishing a common goal, first of all, the common goal should be combined with teaching reform and curriculum, teaching materials and teaching construction, not only with long-term planning, but also with short-and medium-term goals, and to deal with the relationship between the overall objectives and each specific goal, so as to promote the joint efforts of members. Secondly, it is necessary to combine common goals with individual goals, internalize team goals into individual needs, stimulate the motivation of team members, at the same time formulate different goals of different members, complete the classification and stratification of team members, and promote team building; finally, team goals should be du. The tendency of absolute utilitarian should not "emphasize declaration and light construction", but should pay attention to the operation and management of the team, form cohesion, and improve the separate and loose working state of the team members.

3.3 Enhance the Cohesion of Team Members

To cultivate a good team culture, first of all, choose an excellent team leader, the leader must grasp the direction of subject development, and rich teaching experience, strong leadership. Set clear development goals for the team, help members clarify their team role, create a good working atmosphere, so as to improve team performance. Secondly, strengthen the communication and communication among team members, promote the division of labor and cooperation within the team. Through the establishment of WeChat, QQ and other network communication platform, dinner and learning activities to strengthen the communication and communication among team members. Finally, encourage team members to communicate deeply and enhance the cohesion of the team. When team members discuss and ask questions together, When asking questions, team leaders should encourage members to open up to each other, actively express their views and communicate deeply.

3.4 Carrying out Scientific Research and Cultivating Students' Innovative Consciousness

While actively carrying out the construction of programming course group, the teaching team should also actively devote itself to academic research and keep up with the development frontier of computer application technology. Through scientific research, the latest scientific research results and frontier dynamics can be brought into the relevant curriculum teaching, cultivate students' innovative consciousness, and make students' scientific and technological activities and graduation projects show inexhaustible innovative motivation.

3.5 Explore a Good Team Management Model

The teaching team of programming course group takes cultivating and improving the teaching, scientific research and practical ability of young teachers as one of the most important tasks. Young teachers are encouraged to participate in the teaching competitions organized by the school to improve their teaching ability. Through teaching and research discussion, listen to each other, select teachers to participate in all kinds of training. Encourage and support the members of the teaching team to develop multimedia courseware and other auxiliary teaching resources, guide students' scientific and technological innovation activities, improve teachers' theoretical level and cultivate innovative ability through practice. Encourage team members to give full play to their personal expertise, support young teachers to pursue doctorates on the job, and improve their development stamina.

3.6 Establishing and Perfecting the Guarantee Mechanism of Teaching Team Construction

The guarantee mechanism of establishing and perfecting teaching team construction mainly includes organization mechanism, resource support system, incentive mechanism and evaluation mechanism. In the teaching reform, elimination of unqualified personnel and team internal assessment to give the teaching team full autonomy. Can set up teaching materials construction, high-quality curriculum construction, experimental training base construction and other special support projects. In order to establish a scientific performance evaluation system, we must pay equal attention to process evaluation and result evaluation, combine teacher evaluation with student evaluation, and promote the construction of teaching team by the multi-dimensional evaluation mechanism of peer evaluation and industry enterprise evaluation.

4. Conclusion

The teaching team based on the construction of programming course group will continue to explore in the future. In the teaching process, curriculum is the most basic factor, curriculum design and construction to a large extent determine the specifications and quality of talent training. Adjust and optimize the structure of programming course group, reduce the knowledge repetition and redundancy among different courses in the course group, optimize the practice link of the course group, and strengthen the practice link and effectiveness of the basic course. We will continue to carry out the construction of excellent resource sharing courses. Further carry out the research of teaching reform, deeply explore the innovation and development of curriculum system, teaching material system and teaching method, and reflect the relevant results in teaching work in time.

Acknowledgments

The second batch of collaborative education projects between industry and university in 2018: research on the construction of computer major course group based on practical ability training (201802153128); 2018 South China Business College Guangdong University of Foreign Studies quality Engineering: computer programming course Teaching team Construction.

References

- [1]. Zhang Zhi, Fu Xiaojun. On the construction of teaching team based on curriculum or course group [J]. Chinese university teaching, 2007(12): 15-17.
- [2]. Yu Liying. Research on Team Construction of University Teaching Based on Team Effectiveness[D]. Dalian:Dalian University of Technology. ,2011.
- [3]. Ran Chao. A study on the Construction of Teaching team in Local normal Colleges and Universities: a case study of Sichuan normal University [D]. Chengdu: Sichuan normal University,2011.

- [4]. Chang Yan. Research on the operating Mechanism of Teaching team in Colleges and Universities [D]. Shihezi: Shihezi University,2015.