International Journal of Scientific Engineering and Science
Volume 5, Issue 3, pp. 35-37, 2021. ISSN (Online): 2456-7361

Research on Teaching Process Optimization and Teaching Reform of Management Information System Based on Ability Cultivation

Qingsong, Sun
School of Computer and Information, Anqing Normal University, China

Abstract— *Based on the training objectives of management information system, the current situation of theoretical teaching and practical teaching in our university, this paper studies how to optimize and reform the course teaching from the system and teaching process, and explores the effective measures to improve the cultivation of students' core professional ability*.

Keywords— *Management information system, practical ability, teaching reform*.

I. Curriculum Orientation and Requirements

Management information system is a required course for information management and information system specialty, which belongs to ability course. Its purpose is to systematically teach the methods of analysis and design of information system in the fields of society, economy, management and engineering on the basis that students have mastered the basic knowledge and skills of management science and modern information technology, so as to make students have the ability to undertake The ability to undertake information system planning, information system analysis and design, information system implementation, information system management, etc.

Before learning this course, students need to learn the principles of management, data structure, computer network, database principles and applications. Through the teaching of this course, students should master the basic concepts and development trend of information system; master and apply the concepts and methods of life cycle method and prototype method, and apply the relevant principles in detail, and use relevant tools according to scientific steps, so as to have the knowledge and ability to participate in the information system construction project and become the backbone members; for the object-oriented methods and methods We should be able to grasp the basic ideas related to the construction of information system, and understand the important role of human factors (especially leaders), social factors, organization and management mode in the realization of information system.

The nature, status and role of this course is to enable students to understand the basic principles of system management information system and master the methods of analysis and design of information system in the fields of society, economy, management and engineering based on mastering the basic knowledge and skills of management science and modern information technology The basic ability of information system planning, information system analysis and design, information system implementation, information system management, etc., and the ability to combine theory with practice, observe, analyze and solve problems.

II. The Application and Teaching Status of Management Information System

In various industries of social economy, management information system is widely used. In the process of user actual use, some systems have some shortcomings, which cannot satisfy the users. The reason is that the work in the analysis and design stage of these management information systems does not fully reflect the business process and actual needs, which leads to the existence of some between the final formed system and the actual needs the gap. In the course of teaching management information system, the key and difficult contents mainly involve system analysis and system design. In terms of training the orientation of applied talents and improving students' ability to solve practical problems, the current teaching process and content mainly focus on the book theory determined by the curriculum syllabus, and there are still some optimization and improvement. In practice, the analysis of business processes requires a deeper understanding of the specific organizational business processes. Teaching process is mainly conducted by teaching materials examples and cases, resulting in the problem that the understanding of business processes is not deep enough, leading to the final problem analysis is not comprehensive. Based on the knowledge of advanced programming language and database application, the real understanding of process analysis and application to the design process of management information system can the realized management information system truly reflect the needs of users, so that the management information system has better application value. The current situation is that the courses of advanced programming language, database and management information system are independently set up in different semester, which leads to a certain separation of learning links [2]. Both students and teachers have the problems of more time for theoretical learning and less time for practice. The quality of training students' practical ability is not high. The production, study and research provide students with a good opportunity to participate in practical learning research, but whether there are enough projects is also a problem.

There is a clear gap between the teaching effect of the course and the present situation of students' ability and the requirements of the society for graduates. The practical ability of students must be improved in the teaching and practice process. It is of practical significance to optimize the teaching process to a certain extent, so as to achieve the purpose of improving the teaching effect, so as to ensure the analysis and solution of the problems The ability to get a real boost [3,4].

III. The Optimization of Teaching Process and the Thinking of Teaching Reform

The optimization of teaching process involves not only the optimization of teaching content but also the optimization of teaching methods, which involves both the optimization of teaching links of teachers and the optimization of students' learning process. Therefore, the teaching process of the core courses in front of this course should be studied as an integral part. The current curriculum of MIS does not fully reflect the market demand of information management and information system specialty, the lack of practical ability training, the lack of strong atmosphere of practical learning, the lack of clear learning objectives of students, and the insufficient time for teachers to participate in the process of extracurricular practice activities, and the lack of normalization system design.

(1) In practice, the demand of students is often the comprehensive requirement of multi curriculum knowledge. Students have less opportunities to contact the frontier of each discipline development, and do not attach importance to the transfer of relevant disciplines. The existing curriculum content cohesion cannot reflect the ability requirements and needs of the students in the major, resulting in the low degree of relevance between students' employment and knowledge. The teaching of the theoretical knowledge of MIS is placed before the teaching contents of advanced programming language and database principle, so that students can understand and understand the importance of information system process analysis earlier. In the teaching process of advanced programming language and database principle, the goal of clear system design realization is required to require students to independently complete the development of a management information The system can enhance the relationship between curriculum settings, and the content between courses can be integrated, avoiding isolated learning courses.

(2) Establish the school enterprise training mechanism. After learning the course theory knowledge, let the enterprise personnel who have rich development and design management information system further combine the system development and design work to help students improve the understanding ability of process analysis, and make students more clear about the ability requirements for developing a management information system in the enterprise practice, and the students' requirements for the course The purpose of process learning is more prominent.

(3) From the knowledge requirements of designing and developing information system, computer science and technology and other majors also offer advanced programming language and database principle courses. Graduates of information management and information system are engaged in jobs with high degree of professional relevance and can reflect strong professional practical ability, which basically overlap with other major such as computer science and technology, which does not reflect The characteristics and differences of this major are made. To understand and master certain management principles and methods is the necessary condition for better understanding of system process analysis knowledge. In order to better study the course, it is necessary to emphasize the learning and teaching of knowledge such as organizational structure in the teaching process of relevant courses of management. In the teaching research process, teachers communicate with each other, and targeted for the management information system course The specific case of teaching design is analyzed and discussed.

(4) Autonomous Learning and inquiry learning can better explore students' learning initiative, and introduce enterprise practice projects in the teaching process to achieve a better combination of theory and practice. It can also improve the chance of students to participate in practice and innovation by requiring to participate in the special competition of subject. But at present, only a few students participate in and lack of mandatory. The improvement of teaching quality can be ensured through system design.

(5) In the specific curriculum teaching content, teachers can transfer the practical experience gained by the teachers through the practice investigation to the enterprise and actually participate in the enterprise projects, and pass on the theory and practice teaching to the students, but the teaching management department should design the system. Meanwhile, the problems of curriculum setting and mode are studied from the aspects of professional orientation, market demand, practice platform mechanism construction and experimental teaching reform, and the teaching process is optimized to fundamentally solve the problems of the major with no obvious characteristics, students' eyes on the problem of non specialty, improve the professional level and practical innovation ability of students, clearly locate the employment direction of students, and enhance the market competition of the major Competition.

(6) The evaluation method is optimized, and the emphasis on the decentralization of the course with strong practical ability and good system design effect is increased, and the diversified evaluation method is adopted. The design questions have certain openness, so it is unnecessary to set up standard answers, and fully exploit the students' innovation ability and application ability.

IV. Concluding

The course of MIS has both strong theory and practice. The training of practical ability is closely related to the practical ability of programming language and database principle course. Only by connecting the knowledge system of

the course with the top-level design, can the professional talents with strong independent development ability be cultivated, and the professional talents with strong independent development ability can be cultivated It is the core mark different from the training goal of computer science and Technology Specialty

ACKNOWLEDGEMENT

This work was supported in part by the Natural Science Research Project of the Anhui Higher Education Institution under Grant KJ2018A0362,and in part by the General project of teaching research under Grant 2018aqnujyxm043.

REFERENCES

[1] Chen Weiwei, Yang Wei, Liu Nan, Yang Ping. Experimental teaching design of environmental management information system [J]. Journal of Changchun Normal University, 2021, 40 (2).
[2] Liu Ping. Current situation and development of university management information system [J]. LAN Tai Nei Wai, 2021, (1).
[3] Zhang Haitao. Discussion on online teaching reform of management information system (foreign language textbook) [J]. Popular science and technology, 2020, 22 (12).
[4] Zhang Haitao, Ou Shu. Analysis of information management and information system in the era of big data -- review of management information system [J]. China Science and technology paper, 2020, 15 (11).