

Degrees and Graduate Education: Strategy and Planning by Weihe Xie; Sunyu Wang; Bentao Yuan

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As an indispensable monograph to dissect the immensity and transformation of graduate education in China, the monograph is chiefly edited and written in Chinese by three professors in the Institute of Education Tsinghua University who are widely recognized experts specialized in graduate education in China. In this study, they sought to forecast the tendency of graduate education next decade including the structure and distribution of disciplines, the management and instruction of institutions, the quality and sympathetic system of graduate education in China. In the first place, an introduction of the monograph was generated by six segments, which were the background and significance of developing the degrees and graduate education, the considerable achievement and central problem in graduate education, the strategic demand and supportive condition to direct the graduate education system over a long period of time, the guiding ideology, strategic objective and evolving policy in medium and long term, the principal task in future, and the advice of measure in graduate education. Secondly, four sections were arranged as follows, the environment and circumstances, scale and structure, system of organization and management, and training and quality. And there were several chapters with respective subjects in each section.

The first section introduced the domestic and international environment of graduate education in China. Facing with the parallels of globalization, the scientific revolu-

tion and the knowledge economy, various countries conducted coincident policies which constituted the convergent environment in graduate education all over the world. Simultaneously, the diversity of economic status, technological level, labor quality and higher education statement provided distinct supportive condition in the development of graduate education in each country. Accordingly, the target of cultivating the creativity of scientific elites was raised up in advancing the quality of graduate education next decade. They compared the worldwide development and analyzed the transformation in scale, structure and policy in graduate education. Finally, they concluded the achievement and shortage of Chinese graduate education in retrospect. In Section II, the researchers forecast the amount of postgraduates in master and doctoral program in a medium and long term on the perspective of international contrast. Respecting the number of samples and the statistic characteristics of regression results, a linear model was established to calculate the amount of postgraduates in master and doctoral program by substitution the predicted value of population growth, economy indicators, industrial structure and the stock of human resources into the equation. Based on the prediction pattern, they evaluated the structure of disciplines, way of training, and regional distribution in Chinese graduate education system. The increase of postgraduates in the doctoral program will slow down while amount of the masters has comparatively huge rise space from 2012 to 2012. Section III was the system of organization and management in graduate education in China. They generated the problems by systematic analysis and proposed several advice on policy. As a specific topic, the historical transformation of the academic degree system was reviewed in stages to discover the positive influence and negative deficiency on development. Another topic was the factor analysis on the adjustment and organization of professional disciplines in graduate education. They indicated the principle and orientation in regulating a variety of disciplines in practice. The last but not the least, the cultivation system and quality of graduate education proceeded to the next core item. In the first chapter of this section, the system of graduate education was analyzed in the theoretical foundation, historical transformation, current situation, existing problem and political advice. Secondly, the supportive condition and quality status were investigated by mixed methodology with the expert panel and questionnaires. Thirdly, there were several inspiration and suggestion from the research on their supportive system of graduate education abroad exclusively in America and Britian. Finally, the authors pointed out the characters and evaluation of quality in graduate education. They made a conclusion to shift the developmental and administrative centre of gravity lower in graduate education.

Graduate education is the ultimate level and relatively autonomous section in tertiary education which aims to train the professional human assets in fostering the advancement and originality in science and technology, to do scientific research in increasing the competition of nation, and to provide social service in creating the innovation-oriented country. Based on a longitudinal review on the transformation and

a transverse description of graduate education generated by investigation and analyzing, the tendency was clearly carried out in the development of next decade which would be a guidance for learners to get a closer inspection on graduate education, an research exhibition in graduate education for young researchers, a political reference for administrative segment in charge of graduate education. A clear structure was carried out by introducing the background, presenting the problem, analyzing the problem, conducting the survey, recording the effect, interviewing the participants, and drawing the conclusion. If it could be a textbook in education program, the discipline of Graduate Education could use it in the sphere of China. Additionally, there is a valuable and practical bibliography at the end of each chapter. As mentioned above, it is propitious to the authorities in government that in charge of the formulation and promulgation policies in education and researchers in graduate education field. They would benefit from reading this book to grasp the history and trend in Chinese graduate education mechanism and the tendency in the future decade.

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