The quality of university undergraduates is the common concern of the university organization managers, teachers, students and community. Through researching and thinking about the domestic and international materials, analyzing the quality evaluation of the college graduates, we raised the principle of the quality evaluation of the college graduates and established a quality evaluation system of college graduation.

According to the graduate’s quality evaluation index system, utilizing gray system theory sets up a mathematical model for quantitative evaluation and research. Different quality evaluation index of the graduates has different effects on the comprehensive quality of graduates and these indexes are available. But the comprehensive quality of graduates is unknown information. So the graduate’s comprehensive quality can be taken as a gray system. According to the gray system theory, through selecting the employment rate, supply-demand ratio, average beginning salary, social reputation, social contributions, etc, utilizing gray correlation analysis method to make the Gray Comprehensive Quality System into white, we get the quality evaluation system of college graduates and realize the quantitative description of graduate’s comprehensive quality.