The experimental course in remote environment is the bottleneck in distance engineering education. The world-around distance educators have explored and practised much on the experiments in remote environment. In this paper, the methods of case and comparison study are adopted, and the East China University of Science and Technology and The Open University, which are the frontiers of remote experiments in China and UK, are proposed as examples for demonstrating in detail, and comparing on experiments developing and application. It is concluded that we must attach much importance on the experimental course in Internet and the characteristic of engineering and standardization.