It is important to consider quality and efficacy concerning online courses. This study was accomplished with Master’s students in order to promote technical production regarding Clinical Biochemistry online course. In web, www.bioq.educacao.biz, it was accessible strategic and organizational management training in distance learning course. Enrolled students (7), monitors (3) and the manager (1) have made use of the virtual environment as a channel of communication as well as to construct the extension course (80 hours). Some strategies were discussed and planned for the purpose of a significant apprenticeship. In all, there were 173 standard contents available, which were 4 audiovisual presentations, 13 debating forums, 1 chat, 10 classes, 77 scientific articles, 30 tests, 3 glossaries, 1 mini-library, 18 links, 3 texts and 13 folders. Although the manager was not responsible for the construction of the contents, system reports have shown that the manager’s attendance and permanence online were three times superior to other users. It once more revealed that new Information and Communication Technologies (ICTs) requires from the manager to plan an efficient pedagogical orientation.

Keywords: Clinical Biochemistry Online; Online Course; Virtual Environment.