

Implementation of Online Educational Activities for the Practices of Biopharmaceutics at the National University of Cordoba in the Context of the COVID-19 Pandemic [†]

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Abstract: The COVID-19 pandemic has forced to close of university buildings, but teaching activities continued in a virtual environment. This presentation aims to describe the online practices of Biopharmaceutics, a course on the Pharmacy career at the National University of Cordoba, conducted in 2020 in response to the pandemic. Google Meet and Moodle platforms transformed 4 of the 5 face-to-face classes into synchronous online practices. For transforming the fifth practice, a video (which teaches the students how to proceed for evaluating the pharmaceutical equivalence of Argentinean similars) was prepared and posted on the course Moodle site. Quizzes were prepared using Google Forms and Moodle. Synchronous practices included active learning strategies such as case studies, group discussions, and the utilization of software for the calculation of biopharmaceutical parameters. The asynchronous practice required the visualization of the video and completion of out-of-classes activities. High-quality participation and student–student interaction were observed for synchronous classes. And students completed all out-of-classes activities satisfactorily. The Students' examination scores were very good and comparable to those of face-to-face classes. Transitioning in-class practices to online ones were successfully done because of the availability of technology, and the resources used can be useful in future face-to-face classes.

Keywords: biopharmaceutics; COVID-19 pandemic; Google Meet; Moodle; online practices.

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Conflicts of Interest

The authors declare no conflict of interest.