

The establishment and implementation of Physiology Experiment teaching-learning platform under the Normalization of the epidemic prevention and control

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Within the complete physiology teaching, experiment teaching is an important and indispensable part. Today, in the era of normalization of the epidemic prevention and control, we should not only insist on normal course teaching, but also try to make physiological experiment teaching better with the help of online-study platform, so as to further improve the overall teaching quality of physiology.

Since 2020, the Department of Physiology, School of Basic Medical Sciences, Wuhan University has set up an online teaching class based on physiology virtual experiments. Integrated i. Aikecheng (icourses.cn) "Physiology Experiment bilingual teaching course", ii. Aikecheng (icourses.cn) "The Mystery of Life Science - Human Physiology Essentials" course, iii. Wuhan University "Medical Virtual Simulation experiment teaching platform", iv. Wuhan University "LuoJia Online" platform, v. Dingding conference and other resources. Through experimental class, demonstration video of animal experiment operation, links of relevant theoretical knowledge, and real-time discussion of Dingding meeting, students can firmly grasp the key points of animal experiment operation. By putting the test parts related to each of the experimental content, students can integrate the basic knowledge of physiology theory to the application of animal experiments, so as to achieve the effect of learning to use. Experimental teaching assessment cover online learning, online assessment and other experimental results discussion, reflect the real learning and teaching effect.

At present, more attention is paid to medical humanistic education and ideological and political education in curriculum, we also closely focus on animal experimental ethics, animal welfare protection and carry out the education of reverence for life and the integration of ideological and political elements in experimental classes. The online experimental course has been open for 6 semesters since the spring of 2020, covering international students from 12 countries including Thailand, India, Jordan and medical students from different learning terminals in China. The real-time class hours accumulated 252 teaching hours for international students and 144 teaching hours for Chinese students, which provided an important guarantee for the complete training and curriculum construction of medical students.