









ensure the double effect tests of online classroom teaching and knowledge application after class (Figure 2). Apart from hard work we have also gained a lot of experience and feelings, hoping to be helpful to the relevant scholars of the online open teaching and practice.

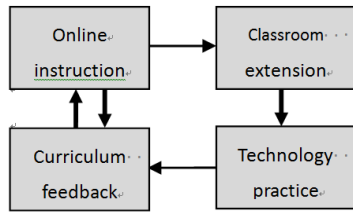


Figure 7. Spiral teaching

REFERENCES

[1] Yanmei LIU, "Chinese higher education reform under the wave of MOOC," *Higher Education of Social Science*, vol. 9, no. 3, pp. 23-27, Mar. 2015. DOI: [10.3968/n](https://doi.org/10.3968/n).

[2] Paul DIVER, Ignacio MARTINEZ, "MOOCs as a massive research laboratory: opportunities and challenges," *Distance Education*, vol. 36, no. 1, pp. 5-25, Jan. 2015. DOI: [10.1080/01587919.2015.1019968](https://doi.org/10.1080/01587919.2015.1019968).

[3] David ONG, Manimekalai JAMBULINGAM, "Reducing employee learning and development costs: the use of massive open online courses (MOOC)," *Development and Learning in Organizations: An International Journal*, vol. 30, no. 5, pp. 18-21, May. 2016. DOI: [10.1108/DLO-08-2015-0066](https://doi.org/10.1108/DLO-08-2015-0066).

[4] Robinson ROBERT, "Delivering a medical school elective with massive open online course (MOOC) technology," *Peer J*, vol. 4, pp. e2343, 2016. DOI: [10.7717/peerj.2343](https://doi.org/10.7717/peerj.2343).

[5] Xinyi ZHENG, "The Enlightenment of MOOC for the college english teaching in China," *Higher Education of Social Science*, vol. 8, no. 6, pp. 57-60, Jun. 2015. DOI: [10.3968/7153](https://doi.org/10.3968/7153).

[6] Li Hongmei, Lu Guodong, Zhang Jianping. (2014, Nov.). "The new teaching mode of higher education in the post MOOC period." *Research on Higher Engineering Education*, vol. 06, pp. 58-67. Available: <http://www.docin.com/p-1703690148.html>

[7] Nan LI, Himanshu VERMA, Afroditi SKEVI, Guillaume ZUFFEREY, Jan BLOM, Pierre DILLENBOURG, "Watching MOOCs together: investigating co-located MOOC study groups,"

*Distance Education*, vol. 35, no. 2, pp. 217-233, Feb. 2014. DOI: [10.1080/01587919.2014.917708](https://doi.org/10.1080/01587919.2014.917708).

[8] Rob FIRMIN, Eva SCHIORRING, John WHITMER, Terrence WILLETT, Elaine D. COLLINS, Sutee SUJITPARAPITAYA, "Case study: using MOOCs for conventional college coursework," *Distance Education*, vol. 35 no. 2, pp. 178-201, Feb. 2014. DOI: [10.1080/01587919.2014.917707](https://doi.org/10.1080/01587919.2014.917707).

[9] Yu Xinjie. (2015, Dec.). Online open courses need to be built to use. *Higher education in China*. [J]. 24, pp. 9-10. Available: <http://www.zhixing123.cn/baijia/52514.html>

[10] Wang Shuhai, Han Lihua, Yang Jie, Chen Guohua. (2015, Dec.). Research on the network teaching of adult higher education in local colleges. *Journal of Shijiazhuang Railway University (SOCIAL SCIENCE EDITION)*. [J]. 04, pp. 96-100. Available: <http://www.docin.com/p-1455565340.html>

[11] Olga BUCOVETCHI, Radu D. STANCIU, Cristina Petronela SIMION, "Study on designing a curriculum suitable for MOOC Platforms starting out the Romanian students' expectations," *Procedia Technology*, vol. 22, 2016. DOI: [10.1016/j.protcy.2016.01.160](https://doi.org/10.1016/j.protcy.2016.01.160).

[12] Yuanna XU, "The mode reform of superior education in the MOOC Times," *Higher Education of Social Science*, vol. 8, no. 3, pp. 32-36, Mar. 2015. DOI: [10.1080/01587919.2014.917708](https://doi.org/10.1080/01587919.2014.917708).

[13] Gao Liqiang, Liu Xiaofeng. (2010, Sep.). The developing of ecological consciousness in the design of architectural undergraduate graduation. *Journal of Zhejiang Shuren University (NATURAL SCIENCE EDITION)*[J] 03, pp. 37-43. Available: <http://www.cnki.com.cn/Article/CJFDTotalsRZR201003013.htm>

[14] Gao Liqiang, Gao Feng, Zhu Jiangtao. *The Dynamic Design Method of Modern Architecture*, vol.05, China Construction Press, Beijing, China. 2016, pp.168-171.

[15] Da Liu, "The reform and innovation of english course: a coherent whole of MOOC, Flipped Classroom and ESP," *Procedia - Social and Behavioral Sciences*, vol. 232, 2016. DOI: [10.1016/j.sbspro.2016.10.021](https://doi.org/10.1016/j.sbspro.2016.10.021).

[16] S. Rayyan, C. Fredericks, K.F. Colvin, A. Liu, R. Teodorescu, A. Barrantes, A. Pawl, D.T. Seaton, D.E. Pritchard, "A MOOC based on blended pedagogy," *Journal of Computer Assisted Learning*, vol.32, no.3, Mar, 2016. DOI: [10.1111/jcal.12126](https://doi.org/10.1111/jcal.12126).