Micro-learning based on mobile communicationenvironment Feasibility analysis of Open College English education

Liu Joan 1 ,Yang far2

Jiangsu Zhangjiagang Open University,Jiangsu Zhang Jia Hong Kong 215600; 2 . JiangsuOpen University,Jiangsu South Beijing 210036)

Abstract: Establishment of Open University and provincial Open University,Indicates that China's open education has entered a new historical period..At the Open University Under the background of a new historical mission,Micro-learning is a major breakthrough.This paper integrates micro-learning and open education in mobile communication environment.,Pin new features of modern mobile devices popularization and adult learning ,Explore the feasibility and applicability of applying it to open College English learning.

Keywords:: Micro-Learning; Mobile Communications; Open University; English education

Primer Statement

with open universities and provincial governments On Go to college Stand,Our country Open teaches to enter a a new history period.Open University based on RTVU Build Set,Not radio and TV University Simple Flip Card,is the purpose of running a school and make Life, War slightly target and any Service,School idea and model style,Technical Support and learning mode, etc. a major strategic turn to facetype.Open Vigorous Education Resources exhibition,Quality Learning Capital source must be built set.Pass chapter of digital resources and textbook-based networks instructional design links do not inspireLearn Music for learners to learn by themselvesInteresting.Hand Machine、flat panel Multiple portable mobile communication tools and the change of educational mode factors for resources Development and utilization of also put forward many new needs to find.technology in step spawned ."Universal Learning XI"modulo style,That: make personal learning work move embedded into day normal life .this also It is the purpose of Open University One.and Information The time of the learners can really benefit from open put the learning mode brought by the benefits,very large degree depends on course Learning mode and Learning Resource design meet modern open put University special Dot.

One、、Micro-Learning XI(MICRO － LEaRNiNG) connotation and special point

(One) The connotation of micro-learning

2004 Years,Osho Benefit Learning research expert Linde NA (LINdneR) first mention "Micro-Learning XI"an overview of Read,and describe it as a new vector Life Series in,based on Mini inside new learning of volume and micro media XI.because this,Micro learning is a digitally learning side ,is also a rule modulo relatively small learning unit and time between phase to shorter Learn live move.The main features of micro-learning have: When learning relative short small,and scattered throughout the learner's daily Life Medium; learning content is relatively unique Stand,all is from Small plate group to; Learning form Relative Spirit Live,learning content and location can be change at any time according to the learner's situation Change.

Micro-Learning XI,also rationale Solution to fragmentation chemistry XI,differs from Course Chemistry for the

system XI,not subject to time and space system,not within Limit of tolerance system,not taught Limit system.Micro Learning Learning 's core philosophy should is: Anytime Geoscience XI,want to learn about Learn,text Hundred Section.Day Vientiane is within learning capacity,Learning one thing is a Point.

(Two) The characteristics of micro-learning

1． Mini-Learning within capacity."Micro"is a total of all concepts Same Special Levy,its meaning is point to four point: Learn duration of learning content Short(5 － 15 minutes toappropriate) ; Refactor macro large content to a relatively complete specific micro-master question; Learn it Benefit,Flexible by; mention high Learning effectiveness rate,make it quick to learn Point,subject to reference and Apocalypse Send.

2． Information Technology-loaded Body,in Move on a mobile terminal now.Micro-learning main in short video format now,Concurrency cloth to the appropriate learning platform for learning people view See、Download.Although the short textWord、Figure like or music can be to Micro capacity,

But online video learning has become the most popular form of distance learning.Of the future Trends are micro-courses and smartphones 、A combination of mobile devices like tablet computers,Provides a flexible and autonomous mobile network learning experience for large audiences .

3． Learn how more flexible Sample.Micro-learning can be flexible apply to a variety of learning conditions Boundary,Learn online XI、face-to-face teaching or Blending XI; Learning patterns can is positive learning,can also be informal XI; Teach multiple Levels Sample,meet the Big social all learning needs ask.

Two、The necessity of implementing micro-learning in open English education

(One) The need of open English education resources construction and sustainable development

The characteristics of Open University should be combined with talent training mode,Give full play to the micro-learning The advantages of teaching reform.Although Open University open English education has rich Experience in the construction and application of streaming media resources,But because streaming media is not easy to download and watch, Encountered many bottlenecks in practical application.So,Need us to open up college English teachers According to the nature of subjects and the characteristics of students,Streaming media resources should be fragmented,Into Row differentiation,and provide the corresponding micro-lesson plan 、Micro-evaluation 、Support resources such as micro-exercise, Make it the development of generative resources in teaching.

(Two) The needs of students ' individualized learning

The design of micro-learning helps to cultivate students ' independent ability and reflective ability,Because the design of micro-teaching resources is modular and instrumental,Students can determine what kind of learning resources they need based on their learning ,You can also root personalization according to your situation 、Choosing micro-learning resources independently to make the special topic and the modular learning ,Able to focus on their weaknesses for intensive training.

(Three) The need of teachers ' team building

On the construction and team teaching of English teaching staff in Open University,If the responsible teacher made the course into a micro-course,Tutors can have more energy to prepare their lessons or to personalize instructions for students ,Or delve into better teaching methods.,Get rid of heavy repetitive work .And in each of the thematic and difficult points,Can find the teachers who are best at explaining the problem in the school. ,For students to see in the form of a video ,This will enable the pooling of resources for each teacher to use and learn for each student ,So that all the students can get the best quality teaching resources,So that the full face promotes students ' abilities .

Three、The necessary conditions for developing the micro-learning of English education in Open University based on mobile communication environment

(One) Technical environment

Micro-learning under mobile communication environment is a new kind of information technology Learning Form,Technological environment has fundamental and fundamental influence on its success or failure Ring.Ability to create a strong information technology environment,is in the mobile communication environment

About the author: Liu Qiong,Woman,Associate Professor, Jiangsu Zhangjiagang Open University,Research direction: English applied Linguistics.

The primary material technology guarantee for the success of micro-learning.which,Micro Learning Terminal Equipment is the important hardware support of micro-learning system in mobile communication environment.Other than that, Also need to build wireless network environment,To ensure that students ' learning activities are free to move Move,At any time,Access to learning resources at any location,Interact with other learning users .

(Two) Learning Resources

The resource of micro-learning is the development of information technology and the reform of teaching mode and The effect of the changes of learners ' ideas and other factors.Not all the knowledgeKnowledge of content is applicable to micro-learning.Considering portable terminals in mobile communication environment The characteristics of the interface and the concentration of the learner's information on the resource itself,Micro-resources must be as simple as possible ,Clear and visible.In order to adapt to the state of learning,Micro-resources should be short lean ,Each learning element contains a separate knowledge unit,Practical Special Points ,But there should be some connection behind each independent knowledge..And the rendering of micro-resources should be varied ,Can fully mobilize the enthusiasm of learners,Let learning Students Form Immersion Learning,Experience the fun of learning,and experience a sense of achievement.

(Three) Teachers ' teaching、 Management and learner autonomy

English micro-learning in mobile communication environment,The teacher's function is to select the knowledge point、 Editing micro-Courses、 Uploading micro-courses and face-to-face tutoring learners.Realization of Open College English education based on individualized learning in mobile communication environment,Not only need teachers to master advanced information skills,But also need teachers to master the design of micro-courses Principles and teaching techniques,Accurate understanding of students ' problems,Focus 、 Difficulties Short and short Course design,Also can adjust the teaching according to the student's study effect timely.Visible,In this form of learning,Teachers have been transformed into Counselor、 Help scholar、 Guide and Helper.Students ' task is to study micro-courses, Discuss the pertinent exercises left by the practice teacher,The student also becomes the active learner and the self-directed learner by the recipient,When you encounter a difficult problem,can help teachers and students in the classroom whenever and wherever possible,Thus improving the efficiency of learning.

Four 、 Feasibility analysis of Open College English education based on micro-learning under mobile communication environment

Micro-learning in mobile communication environment is defined as,A learning form that pushes content to the learning end through the micro-letter push Media,For learning Learners ,It is a kind of new learning way of active information acquisition,is a new form of learning the acquisition environment .

(One) Technical Environment Feasibility analysis

With the micro mobile communication terminals in the computing power、Multimedia display、Rapid development of network access browsing,and wireless networks in bandwidth、 Increased data transfer and access to ,Micro-learning in mobile communication environment arises on the basis of the substance .While,The wireless protocol will Internet

Number on the network According to the introduction of micro-mobile communication terminals,So that learners can at any time and place Point,Easy access to online learning resources via micro-communication terminals.

currently teaching Breeding domain Use PDA、Hand Machine、MINi － PC、Hand lifting power brain etc,The is generalized to the learning domain of universality moving eventually End.

Move Mobile micro-learning in environments typically uses a wireless network that has GMS／GPRS,WI － FI,UMTS,Bluetooth Technology Surgery.Campus Ring in or under a fixed teaching environmentMicro-learning can be mined WLAN,face Public move the public service In Mobile communications environment Micro-learning mining GPRS／CDMA Wait.

(Two) Feasibility Analysis of learning resources

Micro-Mobile communication terminal as the terminal of micro-learning,In addition to a higher hardware configuration,We also need to provide students with a wealth of learning resources.If can provide learners with a wealth of learning resources ,Mobile phone as a micro-learning terminal will be more Accepted by the learner,Conversely, if learning resources are scarce,Learners in the use of the inevitable Have doubts.,Learning effects will be affected.Take the mobile phone as an example,Current,With The continuous development of smartphone operating system,The more software you can use on smartphones The more,Mainly including system Tools 、 Chat Friends 、 Communication assistance、Network applications、Real With software、Multimedia class、Reading software、input type、Electronic map、Office software、Acting Financial software、Mobile games、Fun Software、Learning tools、Landscaping Tools、Virus control、Addendum Process application、Simulator class,PC   End Software.Learners in daily life,Not only can

To use the Reading software 、 Learning tools(such as dictionaries) and multimedia software to learn from Knowledge of Interest,Use Office software to edit related knowledge,It's okay. Network applications and chat Exchange software to browse the content of their interest online at any time, and can communicate with learners who have the same hobby anytime and anywhere.

Mini Move Communication Terminals in the Create scenario side face, Hold text this、Figure shape、Figure like、Voice、Animation、Move diffuse and video display Show ,can be on a small screen normalbangs Overview、Listening and viewing Look; in the autonomous learning side face,Support Tone Frequency 、 Video Grid play for resource,While,provide matching video and audio and Animated Animation ResourcesSource,Learners also can over network download,Autonomous Learning XI; in Action Practice Side face,Learners can Through micro-learning Terminal products Vendor-supplied learning repository or network download into line lots of exercises questions; Extending extend Side face,learners can use matching resources download some text from the source library or network Read Capital Source、Anime English Resources or audio text Step Resource Learning learning ,Expand your own View Wild.this will greatly improve the eye before put College English teaching resources missing spent,is unable to meet the learner's need for autonomous learning Shape.

(Three) The feasibility analysis of teachers ' realizing micro-learning English teaching

in Mobile communications Ring Micro-learning under the border XI,is Micro content based , Move Learning and a learning side of micro-learning combined style.Open teaching using multimedia technology and computer network can create idealized English learning Environment,use the Internet to and CAI courseware can be made Create a reality that will not be affected by to space-time restrictionsborders,through web Contact realize man-machine conversation and full total enjoy capital source,the information can be quickly mention Fetch.Video in Multimedia technology bidirectional Teaching learning effectively complements TV teaching one-way teach learning resources lose、lack of interactive application teach Learn etc not foot,organizing English teaching using video bidirectional systems Learn,be able to pass each other remote teacher's voice and diagram like,students can also visit or live for the theory.

Teachers must integrate a course in this process,With different themes Module Show,Making the knowledge points in open English textbooks more orderly,More organized,More subjects Learn to show in front of students.This is

very beneficial to the professional development of teachers.. Teachers must adopt a variety of teaching methods,Make the whole course system richer、More flexible, and the content of micro-learning should be more contemporary,In order to attract students,All these require teachers to have a new breakthrough in the selection of lessons and teaching methods..

(Four) Feasibility analysis of teachers ' micro-learning Management

Mobile Communication Ring Boundary the learner in the micro-learning is the whole study procedure's main body,You can choose your own learning content and Learning Media Body,Customize Learning StepsTune,Active main move take know see ,and evaluate it in time Price. Teachers in the learning process plays the auxiliary help、Bootstrap and Oversight with,Cooperate with learning Building Knowledge WellKnowledge,Primary work Package Surround info send cloth 、 course management and into Performance Manage Parties face.These teachers The implementation of work can be based on the following learning system send:

1． SmS Development of micro-learning system

the short Message service system can be used to Learn Learner Send teaching management Letter Interest、Course Schedule、 Interactive quiz and exams as Performance wait for a letter Interest.open based on short message the Micro Learning XI system currently has three kinds of parties method: use mobile operator's SMS network off、use short letter mass device and buy SMS for other companies services .

2． WAP Development of micro-learning system

Support Wap Protocol of the micro-learning terminal can not be directly accessed Internet On the Page,Only through Wap Specific server filtering and translation Wml Web page Ability Access . WAP is an Internet content and value-added service to mobile terminals Globally Unified Open Protocol standards. WAP Will Internet and mobile communication technology Surgery combined,Make it a reality to access Internet resources anytime, anywhere. WML As for Wap Agreement,Its written files are specifically used in mobile phones and other micro-learning wireless Display on terminal display,For people to read,Human-Computer Interaction,Accept Information,and give Feedback.

3． C / S Development of micro-learning system

Based on C / S the client and server side of the micro-learning system communicate primarily is based on Wap The underlying protocol,Such as WSP,WTLS,WTPTo achieve transmission.,Pane Type usually uses Xml,You can also use the user-defined format.Server-side Development language and technical route unrestricted.

In this case,Teachers by inspiring,Guide students to self-monitoring and help each other,And and finally self correcting,Provide guidance for students ' study,S1finally learned to spell correctly Writes Princess This word.This evaluation activity helps students learn,Formal test Try to achieve this effect.And this kind of evaluation activity students get Information"Feedback",Teachers are also the first time to get"Feedback".This is the teacher's future Teaching work,The teaching activity arrangement provides the basis.

Again,Evaluation Results Required rows Comment estimate.through Informal Comment price activity,teachers can get students to learn XI The hand of the situation according to.to Lines plural and extended words evaluation live move,Teacher Send now students already have a basic command of the script table Word and related terms group; and for spelling live Move,Most students already know the word's With Body Spelling Write,But there are also individual students who are trapped in spelling Difficult,this needs to cause teach Division the note meaning,repeat practice and individual coaching in subsequent activities XI.

It is not difficult to see in the analysis and examples of each strategy,Interactive formative assessment of teachers and students Price process,The teacher gained the students ' learning"Feedback"is a summary reviewPrice,It's also the result of formative evaluations..

In the stage of teaching,Formative evaluation accompanies the teacher's classroom at any time to enter Line ,A variety of formative evaluations can be conducted on different content,This also makes up the usual scores .The determination of the normal result is carried out by the teacher organization,Planned by the teacher ,Specific arrangements with the implementation of the teachers themselves prepared.

Five、Conclusion

Overall, 《 College English(Stage Teaching) 》 Formative evaluation System is based on the relevant theory ,Experiment in experimental class,Initially established.This review Pricing system can initially serve as a stage-type teaching Service,Promote students ' enthusiasm for study, Help to improve their English,It also points out the teaching side for teachers. To,It provides a reliable basis for teachers to arrange teaching contents and activities rationally.,Finally for Stage-type Teaching Service.Although a more detailed formative evaluation system is currently in place Ec,But it still needs a combination of summative evaluations.,by verifying,Further improve the evaluation System,Make it better serve the stage teaching.

References

1. Original ． teaching reform of college English for dance majors Lasso［J］． Curriculum Education Research investigate,2013(5) ．
2. C L a R k e , S . Ta rgeti N g aSSe SSmeN T i n thE Pr imaR Y cl aSSroo m [M] . Br isto L: H oddeR & S T o u g h T o N , 199 8 .