# 信息化背景下高校英语在线数学深化改革路径研究

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- introduction
- Analysis of the current situation of online English teaching in universities under the background of informatization
- Deepening the Reform Path of
   Online English Teaching in
   Universities under the Background
   of Informatization





- Exploration of Online English
   Teaching Practice in Universities
   under the Background of
   Informatization
- Evaluation of the effectiveness of deepening the reform of online English teaching in universities under the background of informatization
- Conclusion and Outlook

# 01 introduction





## Research background and significance

- The arrival of the information age: With the rapid development of Internet technology, information has penetrated into all areas of society, and has had a profound impact on the education industry. The emergence and development of online English teaching in universities is a product of the information age.
- The limitations of traditional English teaching models: Traditional English teaching models mainly focus on classroom teaching and are limited by factors such as time and space, which cannot meet the personalized and autonomous learning needs of students. Online teaching breaks these limitations and provides students with more flexible and diverse learning methods.
- The advantages and challenges of online teaching: Online teaching has advantages such as abundant resources, strong interactivity, and self-directed learning. However, it also faces challenges such as poor student self-discipline, unstable network environment, and difficulty in evaluating teaching effectiveness. Therefore, how to deepen the reform of online English teaching in universities, improve teaching effectiveness and quality, has become an urgent problem to be solved.



# Current research status and trends at home and abroad

- Current research status abroad: Online teaching research in foreign countries started earlier and has formed a relatively complete theoretical system and practical experience. For example, American universities generally adopt online teaching models and have established comprehensive learning support systems and quality evaluation systems. Meanwhile, foreign scholars have also paid attention to issues such as student engagement and teacher role transformation in online teaching, and proposed corresponding solutions.
- Domestic research status: Although online teaching research in China started relatively late, it has developed rapidly in recent years. Domestic universities are launching online course construction and exploring a blended learning model that combines online and offline approaches. At the same time, domestic scholars have also conducted in-depth discussions on online teaching from different perspectives, such as innovative teaching models, integration of teaching resources, and reform of teaching evaluation.
- Development trend: In the future, with the continuous development and application of technologies such as artificial intelligence and big data, online English teaching in universities will present the following trends: firstly, the widespread application of intelligent teaching assistance systems; The second is the implementation of personalized and precise teaching; The third is the deep integration of online and offline teaching; The fourth is the establishment of a diversified teaching evaluation



### **Research Objectives and Issues**

- Research objective: This study aims to explore the paths and strategies for deepening the reform of online English teaching in universities under the background of informatization, in order to provide theoretical support and practical guidance for the reform of English teaching in universities.
- Research question: This study will explore the following issues: firstly, the current situation and existing problems of online English teaching in universities; Secondly, the necessity and feasibility of reforming online English teaching in universities under the background of informatization; The third is the specific path and strategy for deepening the reform of online English teaching in universities; The fourth is the evaluation and continuous improvement of the effectiveness of online English teaching reform in universities.

# Analysis of the current situation of

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online English teaching in universities under the



background of informatization

### Online teaching platform and resource

construction

Diversified online teaching platforms: Currently, universities generally adopt various online teaching platforms, such as Chaoxing Erya, Wisdom Tree, Rain Classroom, etc., providing rich English teaching resources.





Co construction and sharing of teaching resources: Universities should strengthen cooperation, jointly build high-quality English course resources, achieve resource sharing, and improve resource utilization efficiency.

Intelligent teaching aids: By utilizing technologies such as AI and big data, develop intelligent teaching aids such as intelligent question banks and adaptive learning systems to enhance teaching effectiveness.





## Teacher's ability to apply information technology



### **Teacher Information Technology Training**

Universities should strengthen information technology training for English teachers and improve their ability to use information technology for online teaching.

#### **Exploration of blended learning mode**

Teachers actively try online and offline blended learning modes, organically combining traditional teaching with online teaching to improve teaching effectiveness.

### Information technology teaching design ability

Teachers have the ability to design information technology teaching activities that are vivid and interesting, and can use information technology to stimulate students' interest in learning.



# Student online learning experience and effectiveness



### **Personalized learning experience**

The online teaching platform provides personalized learning paths and resource recommendations to meet the personalized learning needs of students.

### **Interactive learning environment**

Through interactive forms such as online discussions and group cooperation, create a positive online learning environment, improve student participation and learning effectiveness.

#### **Learning effectiveness evaluation and feedback**

By using online assessment, learning data analysis and other tools, evaluate and provide feedback on the learning effectiveness of students, helping them to timely understand their learning progress and achievements.



## **Existing problems and challenges**

- Insufficient technical support: Some online teaching platforms in universities have technical defects, such as unstable systems and incomplete functions, which affect the smooth progress of online teaching.
- The application ability of information technology among teachers varies: Some English teachers lack the ability to fully utilize the advantages of online teaching.
- Students need to improve their self-learning ability: Some students lack self-learning ability and lack effective planning and time management for online learning.
- The integration of online and offline teaching: How to achieve the organic integration of online and offline teaching, leverage their respective advantages, and improve the overall teaching effect is one of the current challenges.

# Deepening the **Reform Path of Online English Teaching in** Universities under the **Background of** Informatization



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### Innovative online teaching modes and methods



### **Introducing blended learning mode**

Combining the advantages of online and offline teaching, providing students with a more flexible and personalized learning experience.

### **Adopting flipped classroom method**

encouraging students to learn independently before class, and deepening understanding through discussions, Q&A, and other methods in class.





### **Utilizing big data and art...**

analyzing student learning data, providing accurate teaching guidance and personalized learning resource recommendations.

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