



# **INTRODUCTION TO FINTECH**

**AI SYLLABUS**

# Introduction to Fintech

## Course Description:

This course provides a comprehensive introduction to the rapidly evolving field of financial technology (fintech). Students will learn about the history and current state of the industry, including its impact on traditional financial services. The course will cover a wide range of topics related to fintech, such as blockchain technology, digital currencies, mobile payments, robo-advising, crowdfunding, and peer-to-peer lending.

In addition to exploring the various types of fintech products and services, the course will also examine the regulatory and legal landscape of the industry, including the role of government agencies and the challenges of compliance. Students will develop an understanding of the underlying technologies and business models driving fintech innovation, as well as the potential risks and opportunities for both consumers and financial institutions.

Throughout the course, students will engage in critical thinking and problem-solving exercises, including case studies and group projects, to develop their analytical and decision-making skills in the context of fintech. By the end of the course, students will be equipped with the knowledge and skills needed to navigate the rapidly changing landscape of fintech and contribute to the development of new fintech products and services.

## Course Goals:

- To understand the history and current state of fintech
- To examine key concepts and trends in fintech, including digital currencies, blockchain, mobile banking, and financial analytics
- To explore the impact of fintech on traditional financial institutions, regulations, and consumer behavior
- To develop critical thinking and problem-solving skills in the context of fintech

## Course Outline:

### Week 1: Introduction to Fintech

1. Overview of the course and its objectives
2. History of fintech

3. Key drivers of fintech innovation

## Week 2: Digital Currencies

1. Introduction to digital currencies
2. Bitcoin and other cryptocurrencies
3. Blockchain technology

## Week 3: Mobile Banking

1. Overview of mobile banking
2. Mobile payment systems
3. Mobile banking security and privacy

## Week 4: Financial Analytics

1. Introduction to financial analytics
2. Big data and machine learning
3. Applications of financial analytics in fintech

## Week 5: Impact on Traditional Financial Institutions

1. Disruptive potential of fintech on traditional financial institutions
2. Collaborative opportunities between fintech and traditional financial institutions
3. Challenges and opportunities for financial institutions in the age of fintech

## Week 6: Fintech Regulations and Consumer Behavior

1. Overview of fintech regulations
2. Consumer behavior in the fintech era
3. Ethics and social responsibility in fintech

## Course Assignments:

Midterm exam (25%)

Research paper on a selected topic in fintech (35%)

Class participation and attendance (20%)

Final exam (20%)

## Required Readings:

1. ["The Fintech Book: The Financial Technology Handbook for Investors, Entrepreneurs and Visionaries" edited by Susanne Chishti and Janos Barberis](#)
2. ["The End of Banking: Money, Credit, and the Digital Revolution" by Jonathan McMillan](#)
3. ["The Business Blockchain: Promise, Practice, and Application of the Next Internet Technology" by William Mougayar](#)
4. ["Fintech: The New DNA of Financial Services" by Pranay Gupta](#)
5. ["Digital Bank: Strategies to Launch or Become a Digital Bank" by Chris Skinner](#)
6. ["The AI Revolution: The Road to Superintelligence" by Tim Urban](#)
7. ["Fintech Innovation: From Robo-Advisors to Goal Based Investing and Gamification" by Paolo Sironi and Ross McGill](#)

## Course Resources:

- Online resources on fintech and related topics
- Journal articles on fintech and its impact
- TED Talks on the future of finance and fintech innovation
- Note: This syllabus is a sample and can be adjusted to fit the specific needs and requirements of the course and institution.

## Classroom Policies:

- Attendance and participation are expected in every class.
- Late homework assignments will not be accepted without prior approval from the instructor. If you have an emergency or an unexpected situation that prevents you from completing an assignment on time, please contact the instructor as soon as possible.
- Academic dishonesty, including plagiarism and cheating, will not be tolerated and will result in a failing grade for the course. It is the responsibility of each student to ensure that their work is original and properly cited.
- Students are expected to treat each other and the instructor with respect and professionalism. Inappropriate behavior, including harassment and discrimination, will not be tolerated and may result in disciplinary action.