THE PATHWAY TO GLOBAL BANKING

GLOBAL PAYMENT OPERATIONS

SIMPLE, IN-DEPTH PROGRAMS THAT MAKE YOU STAND OUT!

Learning is fun!

LITTLE BITS MAKE A LARGE BITE!
MAKE LEARNING CONTINUOUS!

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Stratadigm
ideas that work

Careers ▸ Banking • Financial Services • Insurance

CPD
The CPD Certification Service

Global Payment Operations

Disruption by FinTechs, Cryptocurrencies, CBDC: an already exciting space such as Payments has become even more exciting.

Those who pursue this program can map the changes better than anyone else. That is because change is explored at every step; comparing old with new.

Program Coverage

Webinars: 12 sessions; 48 hours

1. Basics that help understand change & disruption
2. Electronic Payment Systems
3. Card-based Payment Systems
4. Large Value Payment Systems
5. Cross-border Payment Systems
6. Liquidity & Account Management

Cases, Readings & Assignments: 6 cases; 27 hours

1. Central Bank Digital Currencies & Payment Innovation
2. Risk assessment of payment wallets
3. Multi-million dollar international heist: risks with cards
4. Case: SWIFT and efficiency in international funds transfer
5. Case: International liquidity management
6. Case: SCB, Iran and payments

Self-paced e-Learning: 5 hours

1. Bitcoins, BlockChain
2. PSD2 and Open Banking
3. FinTech in Payments

Assessments

In-session quizzes: 10% weight
Final Assessment: 50% weight
Cases/Assignments: 20% weight
Self-paced: 20% weight

Certification

Successful candidates get a joint certification from Stratadigm & Amrita University and CPD points from CPD, UK.

Part 1: 6 sessions of 4 hours each / 24 hours / 1 session per day

Introduction to Payment Systems

1. Overview of Payment Systems
- ☑ Business Scenarios & Case-studies: Video-session

2. Introduction to Disruption
- ☑ Need & Importance of Payment systems
- ☑ Entities involved
- ☑ Money Transfers
- ☑ Gross and Net Settlement Systems
- ☑ Real-time and Deferred Settlements
- ☑ Risks in Different Payment Methods
- ☑ New ways to hold money in context
- ☑ Existing and new payment infrastructure

Learning Objectives
Participants should be able to:
- ☑ Describe the Key components of a payment system
- ☑ Describe how the components contribute / lend themselves to disruption

Test

Case, Readings & Assignment

1. Central Bank Digital Currencies and Payment Innovation
2. Risk assessment of payment wallets

3. Definition & Characteristics:
- ☑ Paper-based systems
- ☑ Check-21
- ☑ Methods of converting check-initiated payments to ACH
- ☑ Electronic Payment Systems
- ☑ New Payment systems

4. Electronic Fund Transfers
- ☑ ACH: Debit & Credit
- ☑ International ACH

5. Card-based Payment systems
- ☑ Credit Cards
- ☑ Debit Cards
- ☑ Mobile payment system

Learning Objectives
Participants should be able to:
- ☑ Describe how electronic transfers work
- ☑ Describe how cards are used in payments; including in the online economy

Learning Objectives

Participants should be able to:
- ☑ Describe the Key components of a payment system
- ☑ Explain how checks work
- ☑ Explain how a check becomes an electronic debit
- ☑ Explain basic functioning of a credit card
- ☑ Explain the basic functioning of a debit card

Test

Case, Readings & Assignment

1. Risks in card based payments

6. Wholesale Payment Systems

6a. Understanding Wholesale Payment systems
- ☑ Fedwire, Target2, UK BACS; and their cut-off times
- ☑ Comparative Large Value Payment Systems
- ☑ SEPA

6b. Interbank Payment Operations
- ☑ Net Multi-lateral & Gross Payment Systems
- ☑ Rolling-up dues under different systems
- ☑ Calculating Net Obligations
- ☑ Interbank Settlements

Learning Objectives

Participants should be able to:
- ☑ List the information requirements necessary to instruct a payment
- ☑ Explain similarities and differences in LVPS' across different countries
- ☑ Explain the implication of cut-off times for customer instructions
- ☑ Explain the sequence in which payment transactions roll-up for interbank settlement

Test

Part Two: Digital-delivery

Understanding the Disruptors and the Payment Disruption

1. Bitcoin & Blockchain
- ☑ Understanding Bitcoin and Cryptocurrency
- ☑ Working Aspects of Bitcoin
- ☑ Introduction to Blockchain
- ☑ Blockchain working aspects
- ☑ Permissioning in Blockchain
- ☑ Tokenization in Blockchain
- ☑ Smart Contracts in Blockchain
- ☑ Blockchain Traditional Ledgers

Learning Objectives

Participants should be able to:
- ☑ Know how tokenization helps create a new payment method
- ☑ Know how immutability provides security in transactions

2. PSD2
- ☑ XS2A
- ☑ Strong Customer Authentication Rules
- ☑ Fraud Reporting
- ☑ Risk & Compliance
- ☑ Complaints Procedure
- ☑ The gateway to Open Banking

Learning Objectives

Participants should be able to:
- ☑ Describe 2 factor authentication
- ☑ Explain how APIs allow banks to be attacked
- ☑ Explain what is Open Banking

3.The Emerging FinTech Map
- ☑ The Competitive Advantage of Traditional vs. Attacker firms
- ☑ State-of-Art in the Vertical
- ☑ Experiments / Projects underway
- ☑ Payments Map
- ☑ The traditional map
- ☑ The redrawn map
- ☑ A template to use to track the future

Online Assessment: 40 questions

Part 3: 6 sessions of 4 hours each / 24 hours / 1 session per day

1. Cross Border Payment Systems

Overview
- ☑ Fundamentals of Cross Border payment systems
- ☑ Mechanics of Cross Border Payment systems
- ☑ Correspondent Banking
- ☑ Nostro & Vostro Accounts
- ☑ CHIPS
- ☑ Continuous Linked Settlement (CLS)
- ☑ KfW Case study
- ☑ Constituents of CLS Bank
- ☑ Lifecycle of CLS bank transaction
- ☑ Matching settlement timelines between CLS, CHIPS, T2, Fedwire
- ☑ SWIFT GPI

Learning Objectives

Participants should be able to:
- ☑ List the Account set-up needed for an effective Cross Border Payment
- ☑ Specify the data points needed about the beneficiary to a payment
- ☑ Identify the point at which the currency gets converted
- ☑ Select which payment system to use for different types of funds transfers
- ☑ Profile the risk of each fund transfer methods
- ☑ Explain the steps in a one way transfer using CLS bank
- ☑ Explain the steps in a PvP transfer using CLS Bank
- ☑ Explain the implication of 'bankrupt remoteness' in the case of CLS Bank
- ☑ Explain the working of SWIFT GPI

Test

2. SWIFT & Payments

2a. Introduction to SWIFT
- ☑ SWIFT as a messaging system
- ☑ SWIFT Framework
- ☑ Migration of MT to MX (ISO 200022)

2b. MX Equivalent & Usage
- ☑ MT 103/MT 103+
- ☑ MT 202/MT 202 cov/MT 204

- ☑ MT 900/MT 910
- ☑ Unaffected MTs
- ☑ MT 940/MT 950

2c. SWIFT's forward integration into making payments instantaneous via its platforms

Learning Objectives

Participants should be able to:
- ☑ Describe the function of each Message Type
- ☑ Describe the process associated with each MT
- ☑ Explain the use of MT 940 / 950
- ☑ Aware of the migration from MT to MX

Test

3. Liquidity management in payment systems
- ☑ US Fed (Central Banker) line of credit
- ☑ Managing Fed Overdraft
- ☑ Repos & Auto-repos
- ☑ Fx Swap for international funding

Learning Objectives
- ☑ Participants should be able to:
- ☑ List the methods by which a bank can get funding
- ☑ Describe the working of a repo
- ☑ Describe the working of and Fx Swap

Test

4. Account Management

4a. Client On-boarding
- ☑ Core elements of KYC

4b. Accounting & Reconciliation

4c. Billing Overview
- ☑ Approaches to Client billing
- ☑ Bank Service Billing

4d. Virtual Account Management
- ☑ Structure
- ☑ Virtual Account set-up
- ☑ Straight through reconciliation

Learning Objectives

Participants should be able to:
- ☑ Explain the risks in poor KYC and client onboarding
- ☑ List the basic steps in KYC – compliant onboarding of a client
- ☑ Explain how Corporate client billing is handled
- ☑ Explain the benefits of VAM to the client

Test

Case, Readings & Assignment

1. Case: SWIFT and efficiency in international funds transfer
2. Case: International liquidity management
3. Case: SCB, Iran and payments

Final Assessment: 60 questions

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