

# CIS600/FIN600

## Weekly Schedule

Weeks/Class	Topics/Lecture	Key words	Case study	Material
1/1	<b>Introduction:</b> <b>Cryptocurrencies</b>			A1
1/2	<b>Introduction:</b> <b>Blockchain and decentralization</b>			A2.1,2.2
2/1 (skipped)	<b>holiday</b>			
2/2	<b>Introduction:</b> <b>finance and cryptocurrency</b>			
3/1	<b>Transaction:</b> <b>format and life cycle</b>	transactions, validation, double-spending		A2.3,3.1
3/2	<b>Transaction:</b> <b>storage, security and extension</b>	Ledger, hash pointer, multisig	Bitcoin, Ethereum	A2.3,3.1
4/1	<b>Lab 1:</b> <b>Transaction storage</b>	Double-spends, immutability		<a href="#">[link]</a>
4/2	<b>Smart-contract:</b> <b>application and interface</b>	Gas, data feeds, smart property,	Solidity, Bitcoin scripts	A3.2,A3.3 <b>B</b>
5/1	<b>Smart-contract:</b> <b>execution and security</b>	EVM, unstoppable	EVM	A3.2,A3.3 <b>B</b>
5/2	<b>Lab 2: Smart contract programming</b>			

**Topics Dr. Tang will cover, Topics Dr. Raja will cover**

# Textbooks

**A. Bitcoin and Cryptocurrency Technologies,**

Arvind Narayanan, Joseph Bonneau, Edward W. Felten , Andrew Miller, Steven Goldfeder, Jeremy Clark

<http://bitcoinbook.cs.princeton.edu/>

**B. Ethereum White Paper: A Next-Generation Smart Contract and  
Decentralized Application Platform,**

<https://github.com/ethereum/wiki/wiki/White-Paper>