Recap

what are other words for recap?

recapitulation, recapitulate, review, summarize, summary, rundown, sum up, abstract, synopsis, summation
About the Course

- **Course Website**
  - [https://courses.cs.ut.ee/2022/BCT/fall](https://courses.cs.ut.ee/2022/BCT/fall)
- **Lectures**
  - Presented during lectures - uploaded to before the lecture
- **Reading**
  - Self-study material
  - Selected books and articles
- **Submit**
  - Place where you will be able to upload workshops solutions
<table>
<thead>
<tr>
<th>Week</th>
<th>Date</th>
<th>Topic</th>
<th>Activity</th>
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<tbody>
<tr>
<td>1</td>
<td>1 September</td>
<td>Blockchain and Cryptocurrency</td>
<td>Workshop 1</td>
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<td>3</td>
<td>15 September</td>
<td>Blockchain Use Cases</td>
<td>Workshop 2</td>
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<td>Blockchain-based System Design</td>
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<td>5</td>
<td>29 September</td>
<td><strong>Guest lecture (Dr. Madhusudan Singh)</strong></td>
<td>Test 1</td>
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<td>7</td>
<td>13 October</td>
<td>Hyperledger Fabric (HLF) and Chaincode</td>
<td>Workshop 3</td>
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<td>Ethereum and Smart contract</td>
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<td>9</td>
<td>27 October</td>
<td>Security Design for Distributed Information Systems</td>
<td>Workshop 4</td>
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<td>Cryptographic Methods in Blockchains</td>
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<tr>
<td>11</td>
<td>10 November</td>
<td>Blockchain Components and Security Method</td>
<td>Test 2</td>
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<td>Blockchain Patterns</td>
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<td>13</td>
<td>24 November</td>
<td><strong>Guest lecture (Dr. Madhusudan Singh)</strong></td>
<td>Security Risk Analysis of Blockchain-based Applications Workshop 5</td>
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<td>15</td>
<td>08 December</td>
<td>dApp demo, Blockchain patterns and oracles</td>
<td>Exam</td>
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*Changes are possible!*
3 ECTS = 78 hours of study
(1 ECTS = 26 hours of study)

• Lectures – 32 hours
• Independent work – 46 hours
  – Self-study
  – Preparation for presentation and two tests
  – Perform workshop assignments
Modalities and Assessment

- **2** Tests – 20 points
- **5** Workshops – 50 points
- Final Report – 10 points
- Exam – 10 points
- Class Discussion – 10 points (+5 bonus)
Modalities and Assessment

- **2** Tests – **20 points**
- **5** Workshops – **50 points**
- Final Report – **10 points**
- Exam – **10 points**
- Class Discussion – **10 points (+5 bonus)**

To pass the course, you need at least **51 points** collectively.
You should acquire at least **50% points** from each above mentioned assessment item.
• Introduction to blockchain and cryptocurrency
Lecture #2

- Blockchain use cases
- Blockchain-based system design
- Workshop #1
- Workshop #2
Lecture #3

- Guest lecture 1
- Test #1
Lecture #4

- Hyperledger fabric (HLF) and chaincode
- Hyperledger fabric setup guide
- Ethereum and Smart contract
- Workshop #3
Lecture #5

- Security design for distributed information systems
- Cryptographic methods in blockchains
- Workshop #4
Lecture #6

- Blockchain components and security method
- Test #2
Lecture #7

- Guest lecture 2
- Security risk analysis of blockchain-based applications
- Workshop #5
Lecture #8

- dApp demo
- Blockchain patterns and oracles
- Exam
THANK YOU