

**COURSE OUTLINE**

**Department: Computer Science and Engineering (CSE)**

**Course Code: CSE 2110**

**Course Title: Advanced Programming Sessional Credit Hrs: 1.50**

**Year/Semester: 2/1 Academic Session: 2022-2023**

**Course Teacher(s):**

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| **Name:** | **Office/Room:** | **E-mail and Telephone: (optional)** |
| Dr. Umme Fawzia Rahim  (Lecturer) | 7003 | fawzia.rahim@duet.ac.bd |
| Mr. Md. Rajibul Islam  (Lecturer) | 7021 | rajibul@duet.ac.bd |

**Marks Distribution (100%):**

Attendance: 10%

Board Viva: 05%

Continuous Assessment: 20%

Project Final: 20%

Lab Test: 20%

Final Quiz: 25%

**Text and Reference books:**

a. Class lectures , materials, suggested online portals and so on.

b. https://www.programiz.com/python-programming

**Weekly schedule:**

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| **Week** | **Topics** |
| Week 1 | Class cancelled |
| Week 2 | Introduction to Python, Python Basics |
| Week 3 | Python Basics (Flow Control & Functions) |
| Week 4 | Data Types |
| Week 5 | Data Types (Contd.) + File Handling |
| Week 6 | OOP features of Python + Some Advance Topics (Like: Regex) |
| Week 7 | Numpy and Pandas |
| Week 8 | Lab Test |
| Week 9 | Kivy FrameWork |
| Week 10 | Kivy FrameWork |
| Week 11 | Kivy FrameWork |
| Week 12 | Project Progress ( Partial Evaluation) |
| Week 13 | Final Project + Presentation |
| Week 14 | Final Quiz |

\*\* Note: Weekly schedule may vary as per instructors’ requirement.

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| Prepared by : |  |
| Name: Dr. Umme Fawzia Rahim  Signature:  Date: | Name: Md. Rajibul Islam  Signature:  Date: |