

# 115L: Programming Language I

**Faculty:** Tanzilah Noor Shabnam (TNS1)

**Instructor:** Shabbir Ahmed

**Course Objectives:** To teach and instruct the students the basics of C programming language and its principles and methodology. Upon completing the course, a learner will have clear and concise understanding of basic programming and get the skills of beginner problem solving.

The motto of this course is **“We will learn together”-** so don’t feel any hesitation to ask questions.

**Every Question is warmly welcomed and appreciated.**

# Contact Info:

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# Office Hours:

# M: 9:30 PM - 2:30 PM

# W: 10:30 PM - 4:30 PM

Course Outline & Schedule

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| Lab Class | Topic |
| Week 1 | Introduction |
| Week 2 | If-else |
| Week 3 | Loop + Assignment 1 |
| Week 4 | Functions + Quiz 1 |
| Week 5 | Arrays |
| Week 6 | 2D Arrays |
| Week 7 | Strings + Assignment 2 |
| Week 8 | Structure |
| Week 9 | Pointers |
| Week 10 | File |
| Week 11 | Dynamic Memory Allocation + Quiz 2 |
| Week 12 | Final Assignment + Project demonstration |

**Mark Distribution**

**Lab Performance: 20 marks**

**Quiz: 25 (Average of 2)**

1) If-else, loop, functions

2) Arrays, String, Structure, Files

**Assignment: 20 (Average of 2)**

1) If-else, loop, functions

2) Arrays, String, files, Structure, recursion

**Project: 20 (15 points for the implementation + 5 points for viva)**

**Special Final Assignment: 15**

**Online Resources for learning :**

1. [C Tutorial - Learn C - Cprogramming.com](https://www.cprogramming.com/tutorial/c-tutorial.html)
2. [C Tutorial - Tutorialspoint](https://www.tutorialspoint.com/cprogramming/index.htm)
3. [কম্পিউটার প্রোগ্রামিং বই (subeen.com)](http://cpbook.subeen.com/)

**\*\*\***Please be sincere to follow these resources for self-learning.