

# Syllabus

## Course

**Code:** *CSC101*  
**Title:** *Computer Programming (1)*

## Credits

3-2-0-4

## Text Books

- Harvey M. Deitel and Paul J. Deitel, **Visual C# 2010: How to Program**, Fourth Edition, Deitel & Associates, 2010

## References

## Prerequisite:

CSC001

## Course Description

The course introduces the students to the concepts of problem and the basic principles of programming. Then students proceed with applications of that knowledge to develop algorithms and write computer program code. Fundamentals of data storing and manipulation are explained. Students gain hand-on experience in the use of structured programming tools including compilers, linkers, and debuggers.

## Objectives:

- Understand Problem Solving and algorithm construction.
- Comprehend programming constructs.
- Use Integrated Development Environment (IDE) to write, compile, test, and debug programs).
- Develop algorithms and programs.

## Course Outline

<i>Week</i>	<b>Topics</b>
1	Introduction To Computers, Operating Systems and Programming Languages
2	Problem Solving and Flowcharting (Continue...)
3	Problem Solving and Flowcharting
4	Introduction To C# programming
5	Introduction to Classes and objects
6	Control Statements: Selection
7	Control Statements: Selection(Continue...)
8	Control Statements: Repetition
9	Control Statements: Repetition(Continue...)
10	Methods
11	Methods(Continue...)
12	Arrays
13	Arrays(Continue...)
14	String Processing
15	String Processing(Continue...)
16	Final exam

## Grading

### Assessment/Evaluation:

<b>Midterm 1</b>	<b>15%</b>
<b>Midterm 2</b>	<b>15%</b>
<b>Assignments</b>	<b>5%</b>
<b>Quizez</b>	<b>5%</b>
<b>Lab</b>	<b>20%</b>
<b>Final Exam</b>	<b>40%</b>
<b>Total</b>	<b>(100%)</b>

### **Intended Learning Outcomes:**

*Upon completion, students will be able to:*

Outcomes	Assessment Methods
Understanding of the basics of structured programming, including concepts such as flow control, variables and parameters, and function calls.	Exams Quizez Lab exams
Understanding the used programming Language Fundamentals	Exams Quizez Lab exams
Exploring Features of used programming language	Exams Quizez Lab exams
Deploying console Applications	Exams Quizez Lab exams

### **Method of Teaching:**

- **Lectures (three hours per week)**
- **Lab ( two hours per week)**