Course Name	Programming 1	Course Code	112 COMP-3		
Credit Hours	3	Contact Hours	**Theory**	**Lab**	**Total**
			2	2	4

Offered as	☐ University Requirement ☒ College Requirement ☐ Program Requirement	☒ REQUIRED ☐ Elective

Offered in	☒ BS - Computer Science ☒ BS- Information Technology ☒ BS- Computer & Network Engineering

Level	2nd Level	Prerequisite	

Course Description:

This knowledge area consists of those skills and concepts that are essential to programming practice independent of the underlying paradigm and programming language for the beginners. Specific topics covered include: An Overview of Computers and Programming Languages, Basic Elements of Java, Variables, Types, Operators, Branching Mechanism, Iteration and loops, Methods, and Arrays.

Course objectives:

- Give an overview of programming language.
- Describe the basic elements of Java.
- Make the student understand the different Data types and variables used in Java programming.
- Explain the branching mechanism as well as looping concepts for programming.
- Provide an overview of Methods and Arrays.

Grading	☒ Exam 1	10%	☐ Quiz	10%	☒ Assignment(s)	20%
	☒ Final	40%	☒ Lab	20%	☐ Attendance	-

Text Book:

- Allen B. Downey, "Think Java: How To Think Like a Computer Scientist", 5th Edition 2012, **ISBN:**

Reference Book:

- Savitch, W. J. (2008).Absolute Java. Boston, Mass: Addison-Wesley.