

Computer Engineering Courses (CC)

Computer Engineering Courses Group

CC 114 – Introduction to programming

COURSE INFORMATION

Course Title: Introduction to programming

Code: CC 114

Hours: Lecture – 2 Hrs. Tutorial – 2 Hrs. Credit –3.

Prerequisite: CC 111

GRADING

Class Performance/Attendance: 10%

Midterm # 1/Assignments – (7th Week): 30%

Midterm # 2/Assignments – (12th Week): 20%

Final Exam: 40%

COURSE DESCRIPTION

This course is an **introduction to programming** using the Visual Basic programming language. It will involve studying elementary programming techniques using Visual Basic. Students and instructor will work together to create a structured, yet stimulating, environment in which aim to learn the Fundamental concepts of GUI computer

By the end of the course students will have an understanding of programming and how to write some basic computer programs using Visual Basic. Also, they will have the tools to continue learning more advanced programming concepts and other programming languages.

TEXT BOOK & REFERENCES

- KERING Brian & RICHIE Dennis., *The C Programming Language*.
- HFIERD Byron S., *Programming With*.
- **Books available in the AAST Library.**

COURSE AIM

To get students exposed to the principle of programming design and problem solving methodology using C language.

APPENDIX A-33

SPECIFIC OUTCOMES OF INSTRUCTION

- To demonstrate an understanding of Visual Basic
- To apply structured programming techniques.
- To demonstrate the ability to utilize problem solving tools.
- To design, develop and construct Visual Basic programs.

COURSE OUTLINE

<i>Week Number 1:</i>	Introduction to the World of Computers
<i>Week Number 2:</i>	The System Unit: Processing and Memory
<i>Week Number 3:</i>	Storage and Input/Output Devices
<i>Week Number 4:</i>	System Software and Application Software
<i>Week Number 5:</i>	Program Development, Programming Languages, and Flow
<i>Week Number 6:</i>	Charts
<i>Week Number 7:</i>	Visual Basic 1
<i>Week Number 8:</i>	Visual Basic Sheet 1
<i>Week Number 9:</i>	Visual Basic Sheet 2
<i>Week Number 10:</i>	Visual Basic Sheet 3
<i>Week Number 11:</i>	Visual Basic Sheet 4
<i>Week Number 12:</i>	Practical Exam in Visual Basic
<i>Week Number 13:</i>	Communications and Networks 1
<i>Week Number 14:</i>	Communications and Networks 2
<i>Week Number 15:</i>	Ethics, Computer Crime, Privacy, and other Social Issues
<i>Week Number 16:</i>	Final Exam.

COURSE COORDINATOR AND DEMAND

Course Coordinator: Dr.Abdelmonem Wahdan.

Course Demand: *Required*