

CENTER FOR INNOVATIVE TECHNOLOGIES
MASTER COURSE DOCUMENT

IT 101 Programming 1

Course Description: An introduction to programming concepts including: application design methods, stages of software development, structures of programming, variables and modular programming concepts using procedures and functions

Prerequisites(s): AFL 085 and ALM 090

Corequisite(s): None

Lecture Hours: 2	Lab Hours: 3	Credit Hours: 3
Lab Fee: 105	Supplemental Fee: 0	Purpose:
<input type="checkbox"/> Transfer Assurance Guide Course (TAG)	<input type="checkbox"/> Transfer Module Course (TM)	
Course Format: Lec/Lab	Grading: A/B/C/D/F/I	
Delivery Method: x Web	x Hybrid	x Classroom
Semesters Offered: x Fall	x Spring	x Summer

Course Primary Text:

Title: <i>Visual Basic 2015 in 24 Hours</i>	Edition: 2015
Author(s): <i>James Foxall</i>	
Publisher: Pearson Education, Inc	

Supplemental Materials:

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Course Outcomes:

1	Program Design and Pseudo-code
2	Introduction to Visual Basic .NET, Variables, Data Types
3	Introduction to Programming Structures
4	Introduction to Input Validation
5	Introduction to Testing and Debugging
6	Introduction to Modular Programming using Procedures and Functions
7	Introduction to Multiform Applications
8	Introduction to Data Conversion

Course Topics:

Week 1	Syllabus, Logic Review
Week 2	History of VB, Intro to Visual Studio, Write First Program
Week 3	Variables, Data Types, Scope, Sequential Programming
Week 4	Variables, Data Types, Scope, Sequential Programming(cont.)

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Week 5	Test 1 (Written and Practical)
Week 6	Conditional Programming, Input Validation, IsNumeric
Week 7	Conditional Programming, Input Validation, IsNumeric(cont.)
Week 8	Test Cases and Debugging
Week 9	Test 2 (Written and Practical)
Week 10	Functions and Procedures/Modules/Multiform
Week 11	Functions and Procedures/Modules/Multiform(cont.)
Week 12	Functions and Procedures/Modules/Multiform(cont.)
Week 13	Functions and Procedures/Modules/Multiform(cont.)
Week 14	Final Project
Week 15	Final Project and Final Exam

Methods of Evaluation/Assessment

Assignments – 20%
Test/Project 1 – 15%
Test/Project 2 – 15%
Final Exam – 20%
Final Project – 30%

Course Keeper: Bob Nields

Date Completed: 4/1/19