IT 102 .NET Programming 2

Course Description: A continuation of IT-101 with concepts that include: database programming using inline SQL and stored procedures, iterative structure, string manipulation, and arrays.

Prerequisites(s): C or better in IT-101 and IT-111 **Corequisite(s):** None

Lecture Hours: 2	Lab Hours: 3	Credit Hours: 3
Lab Fee: 90	Supplemental Fee: 0	Purpose:
☐ Transfer Assurance Guide Course (TAG)	☐ Transfer Module Course (TM)	
Course Format: Lec/Lab	Grading: A/B/C/D/F/I	
Delivery Method: ☒ Web	□ Hybrid	☒ Classroom
Semesters Offered: ☒ Fall	☒ Spring	☒ Summer

Course Primary Text:

Title: Starting Out With Visual Basic 2017	Edition: 9th
Author(s): Tony Gaddis, Kip R. Irvine	

Supplemental Materials:

Course Outcomes:

1	Students will continue applying designing and testing methodologies as defined in IT-101.
2	Students will apply their knowledge of the iterative structure.
3	Students to create database programs by connecting to a SQL Server Database and execute inline SQL statements.
4	Students to create complex database programs by executing stored procedures and views.
5	Students will be able to create programs utilizing the following concepts: • String Manipulation • Arrays • Parallel Arrays • Try/Catch • Stored Procedures • Views • Students will create maintainable programs by adhering to professional naming, coding, and format standards.

CENTER FOR INNOVATIVE TECHNOLOGIES
MASTER COURSE DOCUMENT

Course Topics:

Week 1	Syllabus, Review Project
Week 2	Iterative Structure
Week 3	Introduction to Database Programming
Week 4	Introduction to Database Programming
Week 5	Test 1 (Written and Practical)
Week 6	String Manipulation
Week 7	Arrays (Single, Parallel and Multi Dimensional
Week 8	Arrays (Single, Parallel and Multi Dimensional
Week 9	Test 2 (Written and Practical)
Week 10	Stored Procedures/Views/Advanced Database Programming
Week 11	Stored Procedures/Views/Advanced Database Programming
Week 12	Stored Procedures/Views/Advanced Database Programming
Week 13	Final Project
Week 14	Final Project
Week 15	Final Project

Methods of Evaluation/Assessment

Assignments – 20%
Midterm Project – 20%
Midterm Exam - 20%
Final Exam – 20%
Final Project – 20%

Course Keeper: Bob Nields Date Completed: 4/1/19