SYLLABUS

DIVISIO	N: Business and Engineering Technology	REVISED: Fall 2014	
CURRIC	CULA IN WHICH COURSE IS TAUGHT:	Programming	
COURS	E NUMBER AND TITLE: ITP 134 –	C++ Programming I	
CREDIT	HOURS: 4 HOURS/WK LEC: 4 HOURS/W	VK LAB: 0 LEC/LAB COMB: 4	
p	CATALOG DESCRIPTION: Provides instruction or	or GUI applications. Course content emphasizes	
II. R	 I. RELATIONSHIP OF THE COURSE TO CURRICULA OBJECTIVES: • Introduction to mobile applications • Overview of language fundamentals and syntax • Create syntax using the language features • Plan, design, and implement applications • Produce manageable applications and ideas for applications 		
III. R	EQUIRED BACKGROUND: ITP 100 - Soil	tware Design	
IV.	 COURSE CONTENT: Develop ideas for business app Programming Basics Using Vis Arithmetic Operators and Contr Arrays and Pointers Visual C++ Functions Classes Class Features and Design Overloading Operators Inheritance 	ual C++	
V. THE I		JECTIVES WILL BE ADDRESSED IN THIS	
_ <u></u>	CommunicationCultural and Social UnderstandingPersonal DevelopmentScientific Reasoning	 X Critical Thinking X Information Literacy X Quantitative Reasoning 	

VI.	LEARNER OUTCOMES	VII. EVALUATION
Progra	am design introduction Understand the design aspects of applications Understand layout and color Understand what works for age groups Understand the different types of applications Understand the versatility of applications	Lab exercises In class assignments Project Test
•	Pick colors, layout and text Design a storyboard for the application Start to put the application on the computer What works	Lab exercises In class assignments Project Test
Progr	amming Basics Using Visual C++ Understand basic control structures Understand variables and named constants Understand declarations Arithmetic Operators and Control Structures	Lab exercises In class assignments Project Test
Applic	cation Coding Running the programs testing the programs putting programs into production	Lab exercises In class assignments Project Test
Applic	Cation executables Converting the files to executables Polishing up the program User input dos and donts	Lab exercises In class assignments Project Test