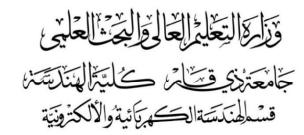Ministry of Higher Education
and Scinetific Research
Thi-Qar University
Collage of Engineering
Electrical and Electronic Engineering Dept

وَزارةُ التَعليمِ العاليُ والبَحثُ العلميُ
جَامعةُ ذي قَار كَليةُ الهندَسة
قسمُ الهندَسة الكهرَبائيةُ والألكترونيّة

Course number and name	ER 205: Computer Programming
Credits and contact hours	3 credits and 4 hours
Course coordinator	
Textbook	TBD
Course Information	a. Prerequisites: ER 105 Fundamental of Computer Science b. Required
Topics to be covered	– Identifiers, Variables, Data type and operators, Types Expressions, Statements, Input and Output Functions, Control statements (conditional and looping), Array (1D and 2D), Strings, Pointers, Functions. –Structures, understand Object-Oriented Programming concepts and techniques, understand the principles of software engineering in Object-Oriented languages, understand the fundamentals of programming in C++, design and implement Object-Oriented software to solve moderately complex problems, C++/Object-Oriented concepts-classes, operator overloading, inheritance, and polymorphis, C++ file processing, string class, string stream processing. -Introduction to programming in MATLAB and MATLAB SIMULINK

قسمُ الهندَسة الكهرَبائيةُ والألكترونيّة