اسم المادة	لغة التدريس	السنة الدراسية	الساعات الأسبوعية		
			المجموع	العملي	النظري
برمجة بلغة ++C	الأنكليزيـه	الأولى	5	3	2

الأسبوع	تفاصيل المفردات النظرية
الأول	Abstract of programming languages • What's a program language • The date and development of programming languages • Levels of programming languages • C++ language : beginning, development, its location within Levels of programming languages
الثاني	Basic essentials for C++ language/ C++ language concepts • What's C++ program contains? • What are the basic files? Simple explanation for basic files, that C++ program include
الثالث	Basic element and tools of C++ language • Language symbols • Definitions name • keywords • Constant represent • Variables represent
الرابع	• Data types in C++, and the represent methods in memory • char type • integer type • real type • Boolean (logical) type • Converting between deferent data types
الخامس	• Expressions types in C++ language, how formulate expression: • Arithmetic expression /deferent arithmetic operation and its priorities / conversion manner of arithmetic expression to Arithmetic expression in C++ language/deferent examples
السادس	• Relational expression/ relational operations and its priorities/ formulate Relational expression • Logical expression/ logical operation and its priorities/ formulate Logical expression • Compound expression/ priorities table of public operations/ deferent examples

• Give the primary values of constants and variables • Spaces and brackets • Type of comments • Special tools	السابع
• minim tools	الثامن
• Assignment statement, its types/ with explanation examples • Arithmetic expression (equation) • counters, counter types • deferent images for equations belong to C++ language	التاسع
• Formatted Input and output functions • output text • Output numeric values • Output Arithmetic expression • un Formatted Input and output functions	العاشر والحادي عشر

• Control, conditional, and loop statements
• cond. Statement
    o Cond. Tools
    o If conditional statement
    o If…else statement
    o Nested conditional
	الثاني عشر

• switch conditional statement • nested conditional statement	الثالث عشر
repetition statements • for loop , Nested for	الرابع عشر
while statement	الخامس عشر
do…while statement	السادس عشر
control at repetition continue statement exit statement go to statement	السابع عشر
Dimensional variables : arrays and matrices One Dimensional array	الثامن عشر,
two Dimensional array, square array(as special state of two Dimensional array	التاسع عشر, العشرون
Symbolic array, and represent string type	الحادي والعشرون
Functions Global and local variable Define function	الثاني والعشرون- الثالث والعشرون

Call function Ways of calling functions	
• Form of retrieving values from function • parameters arguments • factors effecting at using functions • functions of type void • User defined functions	الرابع والعشرون- الخامس والعشرون
Library of standards functions • String functions • Arithmetic functions • Date and time functions	السادس والعشرون , السابع والعشرون
Build workable integral system, include arrays and above mentioned functions	الثامن والعشرون - الثلاثون