



**AL IMAM MOHAMMAD IBN SAUD ISLAMIC UNIVERSITY**  
**COLLEGE OF ENGINEERING**  
**DEPARTMENT OF CIVIL ENGINEERING**

<b>Course Information</b>	
<b>Course Code &amp; Name</b>	CE107 Computer Programming <b>Total Credits: 2</b> (Theory hours: 2, Lab hours: 2 Tutorial: 0)
<b>Prerequisite/s</b>	MATH 105 Calculus I

<b>Course Description</b>
The course introduces students to structured programming techniques. Topics include different control statements (sequence, selection, and repetition), functions, fundamental data types, and data structures (arrays and pointers). Upon successful completion of the course, students will solve computer problems by using structured programming techniques and adequate tools (text editor, compiler, and debugger).

<b>Textbook</b>	
<b>Title</b>	C++ How To Program, Late objects version
<b>Author(s)</b>	Paul Deitel and Harvey Deitel, 7th edition,
<b>Publisher</b>	Pearson, 2011, ISBN-13: 978-0-13-248458-9

<b>Course Content</b>
<b>Topics to be covered</b>
Introduction to Computers and Programming.
Introduction to C++ Programming.
Control Statements.
Functions and an Introduction to Recursion.
Arrays.
Pointers.

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**Academic Coordinator**

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**Official Stamp**