

UPCC

Program Design Language

Submitted to:

Asst. Prof. Ma. Rowena C. Solamo
Faculty Member
Department of Computer Science
College of Engineering
University of the Philippines, Diliman

Submitted by:
Abaja, James Gabriel
Cruz, Rayven Ely
Lim, Ciana

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Revision Control

History Revision:

<i>Revision Date</i>	<i>Person Responsible</i>	<i>Version Number</i>	<i>Modification</i>
11/23/17	Ciana Lim	1.0	Initial Document.
12/1/17	Ciana Lim	1.1	Added 1 line of logic to the method.

Control Class: CheckRequirementsController

Program Specification (Method): checkSubject

Input:

passedSubjects - List of subjects that the Student has already passed.
Curriculum - List of Subjects in the curriculum (Subjects List)

Output:

List of subjects that the student can take.

Program Logic:

CLEAR canBeTakenSubjects

DO

 READ next subject from Subjects List

 IF (prerequisites and corequisites of subject appears in passedSubjects List) AND (totalUnits OR (passedSubjects List AND totalUnits) satisfies the standing required for the subject)

 THEN ADD subject TO canBeTakenSubjects

 ENDIF

UNTIL End-of-List of Subjects List