# Anthony Meunier

# DeVry University

# CIS 336

# Week 6 Lab

# Method Contract

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| Method Name: GetCourseByCourseID | Class Name: CourseList | ID: 3 |
| Clients (Consumers): Staff | | |
| Associated Use Cases: Maintain Course | | |
| Description of Responsibilities: Return course information based on CourseID | | |
| Arguments Received: CourseID String | | |
| Type of Value Returned: Course **Object** | | |
| Pre-Conditions:   1. CourseID cannot be null | | |
| Post-Conditions:   1. Return Course object of supplied CourseID if CourseID is found 2. Return Null object if no submitted CourseID match is found | | |

# Method Specification

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Method Name: GetCourseByCourseID | | | | Class Name: CourseList | | | ID: 2 |
| Contract ID: 3 | | | | Programmer: John Doe | | | Date Due: “In Time” |
| Programming Language:  X Visual Basic Smalltalk C++ Java | | | | | | | |
| Triggers/Events: Staff | | | | | | | |
| Arguments Received:  Data Type: | | Notes: | | | | |
| CourseID String | | Course ID entered by Staff | | | | |
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| Messages Sent & Arguments Passed:  ClassName.MethodName: | | | | Data Type: | Notes: | |
|  | | | |  |  | |
| CourseList.GetCourseByCourseID(CourseID) | | | | String |  | |
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| Argument Returned:  Data Type: | | Notes: | | | | |
| Course  **Object** | |  | | | | |
| Algorithm Specification:  Accept CourseID to search for current courses.  If CourseID is found then  return objCourse  Else return null value to indicate no matching courses were found  End If | | | | | |