Logo

Description automatically generated

**22/SU-COP-2805C-72035 Java Programming**

**Exercise 11.5**

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Created By: Johnathan Webster

# Document Version Control

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| 0.1 | 2022 June 6 | Johnathan Webster | First Draft |

# Document Purpose

The purpose of this document is to define the updated Course() class.

# Technical Specifications

## Purpose of Technical Implementation

The purpose of this implementation is to provide the user with the ability to create and modify specified courses.

## Technical Implementation Components

The updated class implementation utilizes the ArrayList native to the java.util package. This allows dynamic allocation of the stored information. First being the size of the array will be updated as the size increases or decreases.

*public* void *addStudent*(String student) {

        students.*add*(student);

    }

*public* void *dropStudent*(String student) {

        students.*remove*(student);

    }

The second allows us to remove all elements of the list and return an empty one if we so choose to.

*public* void *clear*(){

        this.*students*.*removeAll*(this.*students*);

    }

## Course Implementation

The implementation of this class allows the user to create a new course much in a similar faction to the previous implementation. However, the updated version with an array list allows dynamic allocation of the stored information in an easier to read format.