Logo

Description automatically generated

**<22/SP-COP-2800-72035> Java Advanced**

**<Assignment 11-02>**

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# Document Purpose

The purpose of this document is to define the Student Class.

# Technical Specifications

## Purpose of Technical Implementation

The purpose of the Student subclass is to create an object that stores information relevant to the Student object, title, and the properties associated with the Person superclass.

## Technical Implementation Components

This class has two methods that display relevant information of the object, one method to set the property of the object, and one constructor that requires arguments to populate all properties.

**Properties**

1. Class\_status: determines if student if a freshman, sophomore, junior, senior, or unknown.

**Methods**

1. getStatus(int class\_status): displays the appropriate class status depending on this.class\_status argument
2. toString(): return all information in a readable format.

**Constructors**

The Student class is constructed with five arguments.

Student Student\_variable\_1 = new Student(String name, String address, String phone, String email, int status)

## Technical Implementation Pseudocode

Ask user for input that will be used to construct the Student object

Create instance of the Student class with required arguments.

Use the appropriate get method to display class\_status (using this.class\_status as an argument) or see all information in a readable format.

Use the appropriate set method to set title

End