

**ELEG 1043**  
**Computer Applications in Engineering**  
**Fall 2019 –Team Project**

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**Project:** Building the software with specific functions, namely, **Calculator**, and **Sorter**.

- Subtask 1: **Building a Calculator**
  - Implementing **Addition, Subtraction, Multiplication, and Division** between two numbers
  - Processing at least two types of data, for example, **integer** number and **double** number
  - Testing the **Calculator**
- Subtask 2: **Building a Sorter**
  - Implementing a sorter that can rank a sequence of numbers in a decent order.
  - Processing at least two types of data, for example, **the integer** sequence and the **double** sequence
  - Testing the **Sorter**

**Requirements:**

- Making a presentation to explain the details on the project
  - 2 ~ 3 team members have to present their work (or contributions) on this project
  - Presenting the details with slides (.ppt files)
- Writing a summary and submitting the summary
  - Subtask description and contributions of each team member
  - Challenges
  - How to solve the challenges
- Submitting the source codes made by C++
  - The codes must be error-free and can display the correct results.

**Due: 04/19/2019**