**COM267 Fall 2016**

**PA1: Implementation of the Sequence Class**

**Due Date: 21.10.2014, 23:59**

**LATE SUBMISSION IS NOT ALLOWED!**

**IMPORTANT: Please follow the course web page/Moodle for submission announcements!**

**The Assignment:**

You will implement and test the sequence class using an array to store the sequence's items.

**Purposes:**

Ensure that you can write a small class that uses an array as a private member variable.

Familiarize yourself with the sequence container class (which may also be part of future assignments).

Give us a chance to evaluate your programming skills on a small class.

1. sequence1.h: The header file for the sequence class. Actually, you don't have to write this file. Just start with our version.
2. **(File that you must write)** sequence1.cpp: The implementation file for this first sequence class. You will write this entire file, which will have the implementations of all the sequence's member functions. You will submit this file.

**Other files that you may find helpful:**

1. [sequence\_test.cpp:](http://www.cs.colorado.edu/~main/projects/sequence_test.cxx) A simple interactive test program.
2. [sequence\_exam.cpp:](http://www.cs.colorado.edu/~main/projects/sequence_exam.cxx) A non-interactive test program that will be used to grade the correctness of your sequence class.

**Submission Files:**

Submit only your sequence1.cpp file. Your file should be renamed as:

sequence1\_<YOUR\_ID>.cpp

Example: Assume that your id is 11290001. Then the file will be renamed as:

**sequence1\_11290001.cpp**