

**University of Detroit Mercy**  
**College of Engineering and Science**  
**Department of Mathematics, Computer Science and Software Engineering**

**CSSE-1720 01 Introduction to Programming II**  
**Winter 2017**

**DESCRIPTION OF COURSE:** Built-in and user-defined data types, arrays, lists, strings, records, classes and data abstraction, C++ object-oriented software developments, inheritance, composition, dynamic binding and virtual functions, pointers, dynamic data, reference data types, recursion.

**PREREQUISITES:** CSSE 1710

**REQUIRED TEXT:** Starting Out with C++ from Control Structures through Objects (8th Edition), T. Gaddis, ISBN: 978-0133769395.

**INSTRUCTOR:** Dr. Shadi Bani Taan – (313) 993-1060  
Email: [banitash@udmercy.edu](mailto:banitash@udmercy.edu)

**OFFICE HOURS:** Monday & Wednesday 01:00 pm-02:00 pm or by appointment.

**LECTURE:** MW 2:00 pm-3:15 pm, Room E372.

**COURSE OUTCOMES:** Upon completion of the course, students will be able to\*:

- Understand and write programs in the C++ language at a more sophisticated level using more complicated constructs, (than in CSC 1710.) (a, b )
- Design programs which are well-written, correct and easy to maintain. (a, b, i)
- Understand and be able to design/write programs which make use of search & sort arrays. (a, b)
- Understand and be able to design/write programs which make use of pointers and linked lists. (a, b)
- Understand the concept of data encapsulation, and abstraction and begin to make use of these ideas in designing and writing programs. (a)
- Design/write programs which make use of classes. (a, b, i)
- Understand the concepts of object oriented programming, including inheritance and composition. (a, b)

*\*Letters refer to Computer Science Program Outcomes*

**COMPUTER USAGE:** Microsoft Visual C++. NET.

**GRADING:**

Tests (2)	30%
Program Assignments (3)	40%
Quizzes/HW	15%
Final Exam	15%

**EXAM SCHEDULE:** Thursday April 27, 2:00PM-3:50PM.  
**(TENTITATIVE)**

**GRADING SCALE:**

93-100% A	87-89% B+	77-79% C+	69-67% D+
90-92% A-	83-86% B	73-76% C	60-66% D
	80-82% B-	70-72% C-	0-59% F

**IMPORTANT DATES:**

Jan 15	Last Day to Add a Class
Jan 15	Last Day to Drop a Class without a “W”
Jan 16	MLK Holiday (UNIV CLOSED)
Feb 28	Mid-term Grades are due
Mar 6-11	Spring Break
Mar 13	Advising for Fall begins
Mar 20	Registration for Fall begins
Mar 26	Honors Convocation
Mar 30	Last Day to Withdraw from Class
Apr 14-16	Easter Recess (UNIV CLOSED)
Apr 25-29	Final Exam Week
Apr 29	Official End of Term II/Winter
May 1	Final grades due
May 13	Baccalaureate/Commencement

**LATE ASSIGNMENTS:**

Due dates will be provided for each assignment when it is posted. Late assignments will be accepted with a penalty of 10% per day late. Late assignments will not be accepted more than 1 week past the due date. No extensions will be given due to illness, school activities, etc. since there is plenty of time to complete assignments before the due date. Extensions will be considered in the case of serious family emergencies, extended illness, or other lengthy absence only, and must be requested prior to the due date.

## **ACADEMIC INTEGRITY:**

Students are expected to conform to a high standard of honesty and integrity in this course. Copying the work of someone else and other forms of cheating are strictly prohibited. Permitting or tolerating such behavior is also prohibited. The minimum penalty for any offense is a 0 on that assignment. The culprits may be subject to additional sanctions, up to and including expulsion from school for serious offenses, as prescribed by the University Catalog and the Engineering and Science Student Handbook.

## **Disability Support Services and Accommodations:**

If you need an accommodation because of a disability, have emergency medical information to share, or if you need special arrangements in case the building must be evacuated, please contact:

**Emilie Wetherington, Director**  
**Disability Support Services.**  
**McNichols Campus Library, Room 328**  
**Email: [gallegem@udmercy.edu](mailto:gallegem@udmercy.edu)**  
**Phone: 313-993-1158**

It is very important for students to be proactive with regard to requesting their disability accommodations every semester. Students are encouraged to have open communication with their professors. However, it is never a requirement for students to disclose their disabilities to anyone except the Director of Disability Support Services, and only if they wish to request accommodations. You must be registered with Disability Support Services and your faculty must receive official notification from the DSS office before they can make arrangements for your accommodations.