



Jordan University of Science and Technology
Faculty of Computer & Information Technology
Software Engineering Department

HSS113SE Introduction To Object- Oriented Programming Lab

First Semester 2025-2026

Course Catalog

1 Credit Hours. This course is a hands-on laboratory in Object-Oriented Programming (OOP). Students will learn how to design and implement programs in an object-oriented, high-level programming language. Topics include C++ programming concepts, structures, functions, objects and classes, constructors and destructors, operator overloading, virtual functions, friend functions, the this pointer, inheritance, pointers and references to objects, streams, and templates. A set of laboratory experiments will provide practical experience with these concepts.

Teaching Method: On Campus

Text Book

Title	C++ Programming: From Problem Analysis to Program Design
Author(s)	D. S. Malik
Edition	8th Edition
Short Name	Ref #1
Other Information	

Instructor

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Instructor

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Instructor

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Class Schedule & Room

Section 1: Lecture Time: Sun : 09:00 - 11:00 Room: CPE09-E4L2
Section 2: Lecture Time: Sun : 13:00 - 15:00 Room: CPE09-E4L2
Section 3: Lecture Time: Sun : 15:00 - 17:00 Room: CIS06-N2L1
Section 4: Lecture Time: Mon : 13:00 - 15:00 Room: CPE09-E4L2
Section 5: Lecture Time: Mon : 15:00 - 17:00 Room: CIS06-N2L1
Section 6: Lecture Time: Tue : 13:00 - 15:00 Room: CPE09-E4L2
Section 7: Lecture Time: Thu : 13:00 - 15:00 Room: CPE09-E4L2
Section 8: Lecture Time: Thu : 13:00 - 15:00 Room: CIS06-N2L1
Section 9: Lecture Time: Thu : 15:00 - 17:00 Room: CPE09-E4L2
Section 10: Lecture Time: Thu : 15:00 - 17:00 Room: CIS06-N2L1
Section 11: Lecture Time: Thu : 09:00 - 11:00 Room: CPE09-E4L2
Section 12: Lecture Time: Tue : 15:00 - 17:00 Room: CIS06-N2L1
Section 13: Lecture Time: Thu : 13:00 - 15:00 Room: CIS04-G2L2
Section 14: Lecture Time: Wed : 13:00 - 15:00 Room: CPE09-E4L2

Tentative List of Topics Covered		
Weeks	Topic	References
Weeks 1, 2	Review of C++ programming Language	From Ref #1
Week 3	Pointers (I)	From Ref #1
Week 4	Pointers (II)	From Ref #1
Week 5	Classes-I	From Ref #1
Week 6	Classes-II (constructors and destructors)	From Ref #1
Week 7	Classes-III	From Ref #1
Week 8	Inheritance	From Ref #1
Week 9	Composition	From Ref #1
Week 10	Polymorphism	From Ref #1
Week 11	Template and Overloading	From Ref #1

Relation																								
SM1p	SM2p	SM3p	EA1p	EA2p	EA3p	EA4p	D1p	D2p	D3p	D4p	D5p	D6p	ET1p	ET2p	ET3p	ET4p	ET5p	ET6p	EP1p	EP2p	EP3p	EP4p	EP5p	EP6p

Policy	
Attendance	Excellent attendance is expected. In accordance with university regulations, students missing more than 20% of total classes are subject to failure. No excuses will be accepted. If you miss class, it is your responsibility to find out about any announcements or assignments you may have missed. Attendance will be recorded at the beginning or end of each class.

Code of Conduct	Exams and Quizzes need to be done individually. Copying of another student's work, even if changes are subsequently made, is inappropriate, and such work will not be accepted. Cheating or copying from neighbor on exam is an illegal and unethical activity and standard JUST policy will be applied. All graded assignments must be your own work.
Exams	All exams and quizzes will be CLOSE-BOOK; necessary algorithms/equations/relations will be supplied if required.

Date Printed: 2025-10-20