



Course Descriptor
INTE130 Object Oriented Programing

Proposed Academic Year	2021/ 2022	Last Reviewed Academic Year	2020/2021
Course Code	INTE130	Course Title	Object Oriented Programing
Credit hours	3	Level of study	Undergraduate-Year Second
College / Centre	COBA	Department	MIFS
Co-requisites	None	Pre-requisites	Computer Programming I

1. COURSE OUTLINE

[This course extends computer programming I, where students will further develop their programing skills in terms of programming logics, real industry problem solving. Object oriented programming elements inheritance, polymorphism, abstraction and encapsulation are introduced and applied to implement common data structures and solutions

2. AIMS

[This course aims to extend Computer Programming I and develop students programming capacity using object-oriented programming (OOP) to solve real industry problems.

3. LEARNING OUTCOMES, TEACHING, LEARNING ,ASSESSMENT METHODS , and Graduate Attributes Mapping

Learning Outcomes (Definitive) Upon successful completion of this course, students will be able to:	Teaching and Learning methods (Indicative)	Assessment (Indicative)	Graduate Attributes Mapping
1. describe inheritance & polymorphism	Lectures and labs	In-class tests, quizzes	Knowledge of a discipline
2. Explain encapsulation and abstraction	Lectures and labs	In-class tests, quizzes	Knowledge of a discipline
3. Solve real industry problems using OOP	Lectures and labs	In-class tests, quizzes	Knowledge of a discipline Commitment to national development and Omani ethical values. Innovative spirit. Global insight
4. communicate effectively as a team member	Lectures and labs	In-class tests, quizzes	Knowledge of a discipline.



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TOTAL HOURS	45
Plus RECOMMENDED INDEPENDENT STUDY HOURS	
TOTAL COURSE HOURS	45

7. RECOMMENDED READING

Core text/s:

Lavin, P. (2006). *OBJECT-ORIENTED PHP: concepts, techniques, and code*. No Starch Press.
ISBN-13: 978-1593270773

Vemuri, V. K. (2016). *Web programming for business: PHP object-oriented programming with Oracle* by David Paper: New York, NY, Routledge, 2015, 280 pp., 160(hardback), 59.95 (paperback), 59.95(Kindleedition),
ISBN-13: 978-0415818049

Library + online resources:

[ASU library](#), [ASU online resources \(ProQuest and e-library\)](#) and [Sultan Qaboos University Library](#)