

Global Learning Semesters

Course Syllabus

Course: ITM-550 Object Oriented Programming

Department: Computer Science

Host Institution: Intercollege, Nicosia, Cyprus



Course Summary		
Course Code	Course Title	Recommended Credit Hours
ITM-550	Object Oriented Programming	3
Semester Offered	Contact Hours	Prerequisites
Please contact us	42-45	None
Department	Level of Course	Language of Instruction
Computer Science	Upper Division	English

Course Description

The objectives are to introduce object-oriented software development methodology, providing continued emphasis on separation of abstraction and implementation, and to extend object orientated programming skills generally and with specific regard to network programming, concurrency, graphics and multimedia, and user interface programming.

The course focuses on developing professional-level programming competence, especially the ability to construct correct programs and to use advanced program development tools effectively.

Prerequisites

None

Readings and Resources

Required Text Book/Other Readings

- Fernando Brito e Abreu, Geert Poels, Houari A. Sahraoui and Horst Zuse (eds) (2002). Quantitative Approaches in Object-Oriented Software Engineering. Kogan Page. ISBN: 1903996279.
- Benjamin C. Pierce (2005). Advanced Topics in Types and Programming Languages. The MIT Press. ISBN: 0262162288.

Recommended Reading

- David A. Watt and William Findlay, (2004). Programming Language Design Concepts. John Wiley & Sons (UK). ISBN: 0470853204.
- John C. Mitchell (2003). Concepts in Programming Languages, Cambridge University Press. ISBN: 0521780985.
- Michael McMillan, (2005). Data Structures and Algorithms using Visual Basic.NET, Cambridge University Press. ISBN: 0521547652.