Course unit title:	Visual Design for Computer Applications
Course unit code:	AAVC440
Type of course unit:	Art Elective
Level of course unit:	Bachelor
Year of study:	
Semester when the	
unit is delivered:	
Number of ECTS	6
credits allocated :	
Name of lecturer(s):	
Learning outcomes of the course unit:	 Explain the theoretical foundations of designing for interaction between humans and computers and discuss what and who is involved in the process of interaction design.
	 Explain the user experience and describe how to characterize the user experience in terms of usability, user experience goals, and interactive system design principles.
	Describe Windows Concepts and Interfaces as well as discuss how to design interfaces for different environments, people, places, and activities.
	Present an overview of the major interface developments, ranging from WIMPs (windows, icons, menus, and pointer) to wearables.
	Describe prototyping activities with regards to systems interfaces design.
	Demonstrate basic knowledge on designing user interfaces for windows applications.
	Demonstrate basic knowledge on designing user interfaces for smartphone applications.
Mode of delivery:	Face-to-face
Prerequisites:	AAVC341, AAVC330 Co-requisites: None
Recommended optional program components:	None
Course contents:	Introduction to Human-Computer Interaction: Explain the difference between good and poor interaction design, what interaction design is and how it relates to human-computer interaction and other fields. What is involved in the process of interaction design, the different forms of interaction design, the human factor etc.
	Interaction Design: Explain what is communication and collaboration, the main kinds of social mechanisms that are used by people to communicate and collaborate, the range of collaborative systems that supports this kind of social behavior, how field studies inform the design of collaborative systems, etc.
	The Computer and Human-Computer Interaction: Involves the various devices and implementation beds as well as technological constraints and opportunities, the problem space, how to conceptualize interaction, the pros and cons of using interface metaphors as conceptual models, the relationship between conceptual design and physical design, etc.
	Web Interfaces: The notion of a paradigm and set the scene for how the various interfaces have developed in interaction design, overview of the many different kinds of interfaces, highlight of the main design and research issues for each of the different interfaces, considerations which interface is best for a given application or activity, etc.

design involves, some advait principles of a user-centered a	System Design: Includes what 'doing' interaction ntages of involving users in development, the main approach, etc.
prototyping activities with re simple prototypes from the production of a conceptual me	totyping: Includes prototyping and different types of egards to systems interfaces design, production of models developed during the requirements activity, odel for a product, use of scenarios and prototypes in travailable for interaction design, etc.
forms, controls, menus and	s Applications: Design Windows Applications. Use d dialog boxes, modify their properties and apply design. Have the ability to experiment with and es, etc.
interfaces between windows a major tools and environments windows phone templates are slide bars). Orientation and la	Mobile Phone: Explain the major differences of user applications and mobile phone applications. Introduce including Silverlight, XNA and Expression Blend. Use nd their major controllers (e.g., text blocks, buttons, youts of windows mobile phones. Introduce XAML for sign. How to get an application in the market (security, cates).
Recommended Visual C# Documentation	
and/or required	lan ara Ovida
reading: Windows Mobile Phone Development Textbooks: Alan Dix, et al, Human-Comp	outer Interaction, 3 rd Edition, Prentice Hall, 2004.
, and any area and a series and a series are a series and a series are a series are a series are a series are a	
	ers, Jenny Preece. Interaction Design: beyond n (2nd edition), www.id-book.com
John Sharp, Microsoft Visua	I C# 2008 Step by Step, Microsoft Press, 2007.
Charles Petzord, Programmi	ng Windows Phone 7, Microsoft Edition.
References: Ben Shneiderman and Cather Edition, Addison Wesley, 2008	rine Plaisant, Designing the User Interface , 4 th 5.
activities and teaching methods: laboratory exercises and ir encouraged to participate in examples. Laboratory exercised discussed at laboratory period provided to students as well a worksheets, which process in	around lectures, group projects and presentations, andividual work. During the lectures, students are a discussions enabling the exchange of ideas and ses are handed to students and their solutions are ds. Additional tutorial time at the end of each lecture is as additional notes for each section of the course and an the lab or as homework. Students are expected to effort to become confident with the different concepts
Assessment • Group Project 25%	
methods and criteria: • Test: 15%	
Laboratory Work: 10%Final Exam: 50%	
Language of English	
instruction:	
Work placement(s): No	