

ICS 101 / 101L : Tools for the Information Age (4 cr.)			
Description	Fundamental concepts and terms of computer technology, application software for problem solving, computer technology trends and impact on individuals and society.		
Prerequisites	None.		
Learning Objectives	<ul style="list-style-type: none"> ● understand the history and development of computer technologies and how they do and will affect the world around them and their professional lives. ● learn advanced problem solving skills such as abstraction and information representation and data reduction. ● to become skilled in the advanced features of office and desktop multimedia productivity applications, so that they will chose to solve problems through the application of these technologies. ● to become skilled in the current technologies involved in web publishing and Internet communication. 		
Topic List	#	Topic	Lecture Hours
	1	History of Computing & the Internet	6.0
	2	An Intro to Computer Architectures, Binary Mathematics and Digital Signal Processing	6.0
	3	Email, Discussion Groups and Web Searching (& Online Learning)	6.0
	4	Microsoft Word & Word Processing	9.0
	5	Microsoft PowerPoint & Effective Public Speaking	9.0
	6	Microsoft Excel & Data Manipulation and Representation	9.0
	7	Microsoft FrontPage & Web Publishing	9.0
	8	JASC PaintShop Pro, Bitmapped Graphics & Vector Graphics, Color Physiology	9.0
	9	HTML	6.0
	10	SVG	6.0
	11	SMIL	6.0
	12	Scripting and Programming	6.0
	13	Peripherals and Interfaces	3.0
	14	Networking Technologies	6.0
15	The UNIX command line.	5.0	