



SESSION PLAN

***Lecture/Tutorial/Laboratory/Workshop**

(*Delete As Appropriate)

COURSE PARTICULARS	
# S111	Title: <i>Introduction to Information Technology</i>

SESSION PARTICULARS		
# 1	Title: <i>Getting Started: Computer Systems, Software and Going Online</i>	Hrs: 2

LEARNING OUTCOMES/ABILITIES GAINED*	
#	Outcome Description
	<i>Computer Systems</i> <i>The Personal Computer: Desktop or Notebook?</i> <i>A Typical Computer System's Hardware</i> <i>Working with Windows</i> <i>The Boot Procedure</i> <i>The Shut Down Procedure</i> <i>Windows Wizard</i> <i>Running an Application from the Windows Desktop</i> <i>Software: Popular Applications</i> <i>Word Processing</i> <i>Gaming</i> <i>Going Online</i> <i>Networks</i> <i>The Internet and Internet Access</i> <i>Common Internet Applications</i>

Prepared by :
 Designation Dr.
 Name: Medhat Fakhry
 Sign:
 Date: 7/02/2008

Approved by :
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# S111	Title: <i>Introduction to Information Technology</i>

SESSION PARTICULARS		
# 2	Title: <i>Information Technology Competency, IT yesterday, today, and tomorrow</i>	Hrs: 2

LEARNING OUTCOMES/ABILITIES GAINED*	
#	Outcome Description
	<i>Information Technology Competency Our challenge for the 21st century Information Technology in our Lives (Yesterday, Today and Tomorrow)</i>

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SESSION PARTICULARS		
# 3	Title: <i>Computer Categories, Computer System Capabilities</i>	Hrs: 2

LEARNING OUTCOMES/ABILITIES GAINED*	
#	Outcome Description
	<i>Computer Systems basics</i> <i>Personal Computers: up close and personal</i> <i>Handheld Computers</i> <i>Workstations</i> <i>Server computers</i> <i>Supercomputers</i> <i>Processing data an producing information</i> <i>The computer's strengths</i> <i>Comparing computer and human capabilities</i>

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SESSION PARTICULARS		
# 4	Title: <i>System Software and Application Software</i>	Hrs: 2

LEARNING OUTCOMES/ABILITIES GAINED*	
#	Outcome Description
	<i>The operating system</i> <i>The house of software</i> <i>Directing the action in a computer</i> <i>Operating System functions</i> <i>Allocating system resources</i> <i>The user interface</i> <i>PC Operating systems and platforms</i> <i>Utility programs</i> <i>Windows Concepts and terminology</i> <i>Productivity Software: The Software suite</i> <i>A Cornucopia of PC Software</i> <i>Graphics Software and Multimedia</i>

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# 5	Title: <i>Going Online: The Internet and Internet Applications</i>	Hrs: 2

LEARNING OUTCOMES/ABILITIES GAINED*	
#	Outcome Description
	<i>The internet</i> <i>Arpanet to the Internet</i> <i>Who Governs the Internet</i> <i>Connecting to the Internet</i> <i>The link to the Internet</i> <i>Retrieving and Viewing Information on the Internet</i> <i>Internet Browser</i> <i>Finding Resources and Information on the Net</i> Internet Applications <i>Web servers</i> <i>FTP Servers</i> <i>Communicating with People over the Net</i> <i>Webcasting</i> Internet Issues <i>The shady side of the Internet</i> <i>Gambling</i> <i>Spam</i>

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# S111	Title: <i>Introduction to Information Technology</i>

SESSION PARTICULARS		
# 6	Title: <i>Inside the Computer: Analog, Digital and Binary – Numbering Systems</i>	Hrs: 2

LEARNING OUTCOMES/ABILITIES GAINED*	
#	Outcome Description
	<i>Digital the Language of Computers</i> <i>Binary Digits</i> <i>ASCII and ANSI</i> <i>Unicode</i> <i>Binary</i> <i>Hexadecimal</i>

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# <i>S111</i>	Title: <i>Introduction to Information Technology</i>

SESSION PARTICULARS		
# 7	Title: Mid Term Exam	Hrs: 2

LEARNING OUTCOMES/ABILITIES GAINED*	
#	Outcome Description
	<i>Mid Term Exam</i>

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COURSE PARTICULARS	
# S111	Title: <i>Introduction to Information Technology</i>

SESSION PARTICULARS		
# 8	Title: <i>The PC System Unit - Describing Processor and its Performance</i>	Hrs: 2

LEARNING OUTCOMES/ABILITIES GAINED*	
#	Outcome Description
	<i>The motherboard</i> <i>The processor</i> <i>Putting it all together with buses and ports</i> <i>PC growth: Adding capabilities</i> <i>Building your own pc</i> <i>Word size: bus width</i> <i>Core speed: GHZ, MIPS, and FLOPS</i> <i>BUS speed: the PC bottleneck</i> <i>Memory capacity: MB, GB, an TB</i> <i>Differences in Processor Personality</i> Processor design <i>Parallel processing</i> <i>Grid computing</i>

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# S111	Title: <i>Introduction to Information Technology</i>

SESSION PARTICULARS		
# 9	Title: <i>Storage Technology</i>	Hrs: 2

LEARNING OUTCOMES/ABILITIES GAINED*	
#	Outcome Description
	<i>Magnetic disk storage Optical laser discs Input devices Output devices</i>

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SESSION PARTICULARS		
# 10	Title: <i>Data Communications</i>	Hrs: 2

LEARNING OUTCOMES/ABILITIES GAINED*	
#	Outcome Description
	<i>Our wired world</i> <i>Data communications hardware</i> <i>The data communications channel</i> <i>Networks</i> <i>Home Networking</i>

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SESSION PARTICULARS		
# 11	Title: <i>E-Commerce</i>	Hrs: 2

LEARNING OUTCOMES/ABILITIES GAINED*	
#	Outcome Description
	<i>The Scope of E-commerce</i> <i>E-Commerce levels</i> <i>E-commerce and e-money</i> <i>Business to business applications</i> <i>Business to consumer applications</i> <i>Consumer to consumer applications</i> <i>E-publishing</i> <i>Web marketing</i> <i>Building a web site for e-commerce</i>

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# <i>S111</i>	Title: <i>Introduction to Information Technology</i>

SESSION PARTICULARS		
# 12	Title: Databases	Hrs: 2

LEARNING OUTCOMES/ABILITIES GAINED*	
#	Outcome Description
	<i>Managing data</i> <i>Types of database management systems</i> <i>Data warehousing and data mining</i>

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SESSION PARTICULARS		
# 13	Title: <i>computer, internet and system security</i>	Hrs: 2

LEARNING OUTCOMES/ABILITIES GAINED*	
#	Outcome Description
	<i>Computer-center security</i> <i>Internet and e-commerce security</i> <i>Information systems security</i> <i>PC security</i> <i>Security and level of acceptable risk</i>

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# S111	Title: <i>Introduction to Information Technology</i>

SESSION PARTICULARS		
# 14	Title: Information systems	Hrs: 2

LEARNING OUTCOMES/ABILITIES GAINED*	
#	Outcome Description
	<i>Leverage Information Technology as a competitive strategy</i> <i>Information and decision making</i> <i>Information systems</i>

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SESSION PARTICULARS		
# 15	Title: <i>Emerging technology</i>	Hrs: 2

LEARNING OUTCOMES/ABILITIES GAINED*	
#	Outcome Description
	<i>Decision support system and the executive information system</i> <i>Artificial intelligent</i> <i>Virtual reality</i>

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# <i>S111</i>	Title: <i>Introduction to Information Technology</i>

SESSION PARTICULARS		
# 16	Title: <i>Final Exam</i>	Hrs: 2

LEARNING OUTCOMES/ABILITIES GAINED*	
#	Outcome Description
	<i>Final Exam</i>

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Lecture

Source Material

Computers: Information Technology in Perspective, 12th Edition by Larry Long and Nancy Long, Prentice-Hall, Inc. <http://www.prenhall.com/long>

Supplementary Material

*The History of Computer
The Computer on a Chip*

Educational Resources

White Board, Data Show, Personal Computer

Tutorial/Laboratory/Workshop (Delete as Required)

