		Addis Ababa Univ					
		School of Informatio	n Science				
Course Title	Introduction to Computer and Information Systems						
Module Title		Basics of Information Systems INSY-M1011 Course Code: INSY1011					
Module Code CP/ECTS	INSY-M1011 7		Course Code: 1	NS Y 1011			
Study Hour	Lecture: 48	Laboratory: 48	Tutorial: 0	Hon	ne Study: 93		
Instructor Information	Name: Tsegaye		Tutoriui. 0	11011	ie Study. 75		
	Office Phone: +251-111-229191 Email: tsegaye.berhanu@aau.edu.et						
	Office Location: Eshetu Chole Building, 3 rd floor, Room #319						
Course Information	Consultation Hour: Academic Year: 2017/2018						
Course information	Semester: I						
	Semester: I Mode of Delivery: Parallel						
Course Description Learning Outcomes	computers, data computer arith communication and office applit Theoretical and technological at telecommunication commerce, AI, resources; over ethical issues in Upon the comp > Use correspond by Explain > Explain > Describ > Define > Make u > Describ > Underst > Underst > Underst > Underst	An overview of computer and Information Systems (IS). It includes: the development of computers, data representation, logical organization of a computer system, computer software, computer arithmetic, computer system architecture, internet, computer network and communication, problem solving using computers, operating systems, windows environment and office application. Theoretical and conceptual foundations of Information Systems (IS); organizational and technological aspects of IS; development of IS; overview of database design and management; telecommunications and networks; applications of IS in business: TPS, MIS, DSS, electronic commerce, AI, expert systems, virtual reality and other specialized systems; management of IS resources; overview of software quality and project management; legal, security, social, and ethical issues in IS; contemporary trends in IS Upon the completion of this course, a student will be able to: > Use computes as a prime tool in solving common problems with in various facets of our society > Explain the major components, functions and principles of computes > Explain historical development of computer with their characteristics > Describe data representation techniques and computer arithmetic > Define basics terms associated with communication and networking. > Make use of the basic office application > Describe basic concepts in internet > Understand theoretical and conceptual foundations of IS. > Understand the importance and relevance of IS and technological aspects of IS					
	➤ Know a	applications of IS.					
	Tonica	Course Conte	nt 	Duration	References		
Chapter 1: Overview of Con	Topics	Historical developme	enf	Duration 1 -2	Text: Chapter		
1.1. Overview 1.2. History of 1.3. Generation 1.4. Characteri	of Computers Computers ns of computers istics of computers ons of computers	and developme		. 2	Text. Chapter		
Chapter 2: Computer Syste 2.1. Hardware 2.1.1. The 2.1.2. Inp 2.1.3. Our 2.1.4. Me 2.1.4.1. If 2.2. Software 2.2.1. Sys	e processing unit (CI ut unit tput unit mory Unit	PU) and Numbering Syster	ns	3-4	Text: Chapter		

Chapter 3: Computer Netwo	rks					
3.1. Data transmi						
3.2. Types of Net						
3.3. Network top						
	the World Wide Web					
Chapter 4: Fundamentals of		9-10	Text: Chapter			
4.1. Overview of	·		1			
4.2. Data vs. Info						
4.3. IS building b	locks					
4.4. IS developme						
	ent methodologies	11-12				
Chapter 5: Major Issues in Computer and IS			Text: Chapter			
5.1. Impact of IS						
	5.2. Computer Ethics, Crime, and Privacy					
	5.3. Security concerns and security management strategies in e-business					
applications						
5.4. Ethical issue						
	ns and Current trends of Computer and Information	13-16	Text: Chapter			
Systems						
6.1. Office Auton						
	Processing System					
	Information System					
6.4. Decision Sup						
	rdware, software, communication and user interface					
advances Tanaking Structures	Th		14			
Teaching Strategy	The course will be delivered in the form of lectures, demonstration, student presentations, ground in the form of lectures, demonstration, student presentations, ground in the form of lectures, demonstration, student presentations, ground in the form of lectures, demonstration, student presentations, ground in the form of lectures, demonstration, student presentations, ground in the form of lectures, demonstration, student presentations, ground in the form of lectures, demonstration, student presentations, ground in the form of lectures, demonstration, student presentations, ground in the form of lectures, demonstration, student presentations, ground in the form of lectures, demonstration, student presentations, ground in the form of lectures, demonstration, student presentations, ground in the form of lectures, demonstration in the form of lectures and the student presentation in the form of lectures and the student presentation in the form of lectures and the student presentation in the studen					
Assessment Criteria	discussions, and individual and group project works. The evaluation shall be based on both formative and summative assessment which include:					
Assessment Criteria						
	Assessment Forms % of credit allotted					
	Lecture (100%)					
	Participation and Attendance	10				
	 Quizzes and Assignments 	25				
	• Test	25				
	• Final examination 40					
	Practice (100%)					
	Participation and Attendance	10				
	Lab Assignments	20				
	Lab Exam	40				
	Project	30				
Role of Instructor(s)	Delivers lectures, prepares reading assignments and topics for group discussion, prep					
,	projects by discussion with student, gives consultation and advises students on project wor and assignments, prepares and evaluates quiz, assignment, midterm and final examination					
	Attend lectures, lab session and presentation, work in team on group work, participate in group					
	discussion, discusses with the instructor on topics of interest for project work, delivers					
Role of Students	presents project work, attend quiz, midterm and final examination.					
Required software and/or	Software: office applications					
hardware	Hardware: Desktop computers					
Reference	Text book					
	 Belle, Jean-Paul Van et al. 2001.Discovering Information Systems. California, USA Jason, Charvat. 2003. Project Management Methodologies: Selecting, Implementing 					
	and Supporting Methodologies and Pr	ocesses for Pro	ojects. John Wiley &			
	Sons.					
	3. Satzinger, John W., Jackson, Robert B., and Bu	rd, Stephen D.	2007. Systems Analysis			
	and Design. Course Technology, Australia.4. Hoffer, Jeffrey A., George, Joey F., and Valacich, Joseph S.1999. Modern Systems					
	Analysis and Design.5th ed. Addison-wesley,inc, Reading. 5. Project Cycle Management Technical Guide. 2001. FAO. Rome, Italy. 6. Whitten, Jeffer L. and Bentley, Lonnie D. 2007. Systems Analysis & Design					
Methods.7th ed. McGraw-Hill, New York.						
	7. Information systems Today, By Leonard, M. Jessup References					
	8. Computer Science: An Overview: International Edition, (10 ed), Pearson Higher					
	Education, 2007.					