INTI INTERNATIONAL UNIVERSITY
COURSE STRUCTURE

PROGRAMME: DIPLOMA IN INFORMATION AND COMMUNICATION TECHNOLOGY

1.	**NAME OF COURSE/MODULE** : INTRODUCTION TO INTERNET TECHNOLOGIES
2.	**COURSE CODE:** ICT1102
3.	**RATIONALE FOR THE INCLUSION OF THE COURSE/MODULE IN THE PROGRAMME:** This course is aimed to develop students' knowledge on Internet, its basic applications and security concerns. This course is also an introduction to web designing which is required to develop Websites.

4.	**STUDENT LEARNING TIME (SLT)**	Total Face to Face					Total Student Independent Learning Time	
		L	**T**	**P**	**O**	**A**	**OL**	**IL**
	L = Lecture T = Tutorial P = Practical(Lab) O= Others A= Assessment OL=Online learning IL= Independent learning	28		28		4	14	86

5.	**CREDIT VALUE:** 4
6.	**PREREQUISITE** (if any): None
7.	**LEARNING OUTCOMES:** On completion of the course, students will be able to: 1. Describe the infrastructure of the Internet, Email and how browsing and searching work. 2. Discuss and compile the information resources on the Internet, and user-generated content 3. Explain the issues related to internet security and wireless networking 4. Create effective web pages using HTML, CSS, Shockwave, Flash and HTML editor such as Adobe Dreamweaver.
8.	**SYNOPSIS:** Students will be introduced to Internet and its basic applications. It provides students with understanding on browser basics, basic communication on the Internet, searching the web, information resources on the web, user-generated content on the Internet, wireless networking, Internet security and creating effective webpages.
9.	**MODE OF DELIVERY:** Lectures and laboratory classes are conducted face-to-face. Tutorials and small group discussion are conducted both face-to-face and online.

10.	**ASSESSMENT METHODS AND TYPES:**

Method	Types	Weightage (%)
Continuous Assessment	Assignments	40
	Test 1	20
Summative Assessment	Final Examination	40

CERTIFIED TRUE COPY

....
Jaya Kumari Krishnan
Senior Officer
Admissions & Records
INTI International University

11. CONTENT OUTLINE OF THE COURSE/MODULE AND THE SLT PER TOPIC:

Sessions	Topics	LO	L	T	P	OL	O	A	IL
1–4	**Introduction to the Internet** Introducing and defining the Internet, Using the Internet, Internet Activities, History of the Internet, Growth and development of Internet, Web 2.0 and its features	1	4		4	2			
5-6	**Internet Infrastructure** NSPs, TCP/IP, IP address , TCP/IP Software - TCP Protocol, IP Protocol, Features of TCP/IP, DNS, Methods of Connection.	1	2		2	1			
7-8	**Communicating Online** Email systems, Email Clients, Servers and Protocols, Using Email Client, Mail User Agent (MUA), Using Web-Based Email Services, Online Communities and Text Messaging, Real-Time Online Communications, Online Social Networking	1	2		2	1			
9-10	**Browsing the Web** Web Sites, Web Pages and Web Servers, Domain Names and URL, Web Browsers, Using Web Browser and Desktop Shortcuts to Revisit Web pages, Saving Online Information, Changing Browser Options, Using the Web: the Risks and Safeguards	2	2		2	1			
11-12	**Searching the Web** The Search Process, Search Tools, Advanced Search Techniques and Features, Browser Searches, Specialized Searches	2	2		2	1			
13-16	**Tools and Services on the Internet** Portals, News-oriented Web Sites, Research and Reference Tools, Special-interest Websites, Personal Finance Resources, Education Tools, Shopping Sites, Online Gaming Sites, Download and File Sharing Sites.	2	4		4	2			
17-24	**Creating and Managing a Website** Web-Site Planning, Web Page Design, Markup Language, Publishing and Testing Web Pages, Web Authoring Tools	4	8		8	4			
25-28	**Understanding Internet Technologies and Security** Wireless Internet, Internet Telephony, Television and Video Conferencing, Network Security Issues and Technologies, Virtual Private Networks (VPN)	3	4		4	2			
	TOTAL (122)		28		28	14		4	86

Lecture (L), Tutorial (T), Practical (P), Others (O), Assessment (A), Online learning (OL); Independent Learning (IL); Learning Outcome (LO)

Jaya Kumari Krishnan
Senior Officer
Admissions & Records
INTI International University

12.	**MAIN REFERENCE(S) SUPPORTING COURSE**:
	1. Gary B. Shelly, et al (2012) (4th Edition): Discovering the Internet: Complete Concepts and Techniques Thomson Course Technology
	ADDITIONAL REFERENCES (at least 2):
	1. Adobe Creative Team (2013). Adobe Dreamweaver CC Classroom in a Book. Adobe Press. ISBN-13: 978-0321919410
	2. Lassoff, M. (2013). HTML and CSS for Beginners with HTML5. LearnToProgram, Inc. ISBN-13: 978-0988842915
13.	**OTHER ADDITIONAL INFORMATION** (if any):

Final Examination Format:
Duration: 2 hours
Section A: Answer TWO compulsory questions.
Section B: Answer any TWO out of THREE questions.
All questions carry equal marks.

Grading Scale:
A+ (90-100), A (80-89), A– (75-79), B+ (70-74), B (65-69), B– (60-64), C+ (55-59), C (50-54), C– (45-49), D (40-44), F (0-39).
Resit Pass (50-100), Resit Fail (0-49).

Laboratory Work Specifications:

Week	Practical Work
1	Introduction to HTML, HTML Editors
2	**HTML Editor – Adobe Dreamweaver:** Introduction to Adobe Dreamweaver, Formatting Text, Hyperlinks, Table, Frames, Inserting Elements, Creating a web site using HTML Editor
3-4	**HTML Basics:** HTML Basic Tags **Text:** Modifying text, Sizing, Positioning, Styling text
5-6	**Embedded tag:** embed multimedia elements such as video, sound in webpage **List:** unordered list, ordered list, definition list. **Web Page Background:** Background graphics setting, Background color setting
7	**Links and Table:** Creating hyperlinks, Creating anchors, Table Structures, Table Attributers, Inserting text, Graphics in table, Formatting a table
8-11	**Frames:** Using Frame Tags, Creating Simple Frame, How to Link WebPages to Targeted Frames
12-14	**Introduction to CSS basics:** How to use CSS, CSS Syntax, CSS Text, CSS Background, CSS Border, CSS Margin, CSS Table