استاندارد آموزش شایستگی

Web Design fundamental

(HTML۵, CSS۳)

گروه شغلی

فناوری اطلاعات

کد ملی آموزش شایستگی

نسخه	شناسه شایستگی		شناسه شغل		شناسه گروه		سطح مهارت	Isco-۰۸	
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تاریخ تدوین استاندارد : ۲۰۱۵/۱۰/۱۵

Deputy of training

Plan and curriculums office

Competency Training standard

Title

Web Design fundamental (HTML5, CSS3)

Occupational group

Information Technology (IT)

International code

2513-53-120-1

Date of standard compilation:2015/10/15

Control of board on content compilation and accreditation: Plan and curriculums office

National code: 2513-53-120-1

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Revision Process:
- Scientific content
- According to market
- Equipment
- Tools

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Definitions:

Job standard:

The characteristics ' required competencies and abilities for Efficient Performance in work environment is called "the Job standard", and sometimes "The Occupational standard"

Training standard:

The Training Map for achieving the Job's subset Competencies.

Job title:

Is a set of Tasks and Abilities which is expected from an employed person in the defined level

Job description:

A statement covering the most important elements of a job, namely the position or title of the job, the duties, job's relation with other jobs in a occupational field, the responsibilities, workplace conditions and required performance standards.

Course duration:

The minimum of time which is required to achieve the training objects.

Admission requirements:

The minimum of competencies and abilities which are obligatory for a potential admission.

Evaluation:

The process of collecting evidence and judgment about wetter a competency is achieved or not. Include: written examination, practical examination

Required Qualifications for Trainers**:**

The minimum of Trainer's technical and vocational abilities which the trainer is required to have.

Competency:

The ability of efficient performing a duty in a variety of workplaces conditions

Knowledge:

The minimum set of facts and mental capacities which is necessary for achieving a competency. This can include science, (Mathematics, physics, chemistry or biology), technology or technical.

Skill:

The minimum coordination between mind and body for achieving an ability or competency. It normally applied to practical skills.

Attitude:

A set of emotional behaviors required for achieving a competency and can have non-technical skills and occupational ethics.

Safety:

The cases which doing or not doing something can cause harm or accident

Environmental Consideration:

A set of consideration about the act which should be done to minimize the environmental damage or pollution.

competency title:
Web Design fundamental (HTML5, CSS3)

competency description:
This course provides an introduction to HTML5, CSS3, and JavaScript. This course helps students gain basic HTML5/CSS3/JavaScript programming skills. This course is an entry point into both the Web application and Windows Store apps training paths. The course focuses on using HTML5/CSS3/JavaScript to implement programming logic, define and use variables, perform looping and branching, develop user interfaces, capture and validate user input, store data, and create well-structured application. The lab scenarios in this course are selected to support and demonstrate the structure of various application scenarios. They are intended to focus on the principles and coding components/structures that are used to establish an HTML5 software application.

admission requirements:
minimum degree of education: Post first year of high school minimum physical and mental ability: Complete physical and mental health prerequisite skills: familiarity with programming

Course duration:
Course duration: 54 hours

Course Evaluation :(%)

Exam 98-375

Visual Studio

Published: February 23, 2012

Languages: English, Chinese (Simplified), Chinese (Traditional), French, German, Italian, Japanese, Korean, Portuguese (Brazil), Russian, Spanish, Spanish (Latin America)

Audiences: Academic, student developers, developers

Technology: Microsoft Visual Studio 2010

Credit toward certification: MTA: HTML5 Application Development Fundamentals

IRANTVTO Evaluation :(%)
Written Examination:25% **Practical Examination:65%** **Ethics:10%**
Web Design fundamental degree holders with 2 years experiences

competency training standard

tasks

`	Title
1	HTML5 Introduction
2	Markup Language and Site development Essentials
3	HTML5 Coding
4	Horizontal Rules and Graphical Elements
5	Hyperlinks
6	Tables
7	Forms
8	Video & Audio & Image Techniques
9	CSS Introduction
10	CSS Selectors
11	Background Properties
12	Font Properties
13	List Properties
14	Margin Properties
15	Padding Properties
16	Text Properties

Training standard

Contents analysis form

Title: HTML5	time			
	theoretical	practical	total	
	Determined by the instructor			

Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipments ,tools, materials ,books
Knowledge and Skill: CIW Introduction HTML Introduction	Determined by the instructor			From **Microsoft**
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Training standard

Contents analysis form

<table>
<tr><td rowspan="2">Title:

Markup Language and Site development Essentials</td><td colspan="3">Time</td><td rowspan="3"></td></tr>
<tr><td>theoretical</td><td>practical</td><td>Total</td></tr>
<tr><td colspan="3">Determined by the instructor</td></tr>
</table>

<table>
<tr><td colspan="4">Knowledge ,skill ,attitude ,safety, Environmental Consideration</td><td>Equipments ,tools, materials ,books</td></tr>
<tr><td rowspan="5">Knowledge and Skill:
History of Markup Languages
Web Site development Principles</td><td colspan="3">Determined by the instructor</td><td rowspan="9">From Microsoft</td></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td colspan="4">Attitude:
Speed and accuracy in doing the right thing</td></tr>
<tr><td colspan="4">Health & Safety:
Compliance with safety protection in the workplace</td></tr>
<tr><td colspan="4">Environmental Consideration:
Compliance with environmental protection</td></tr>
</table>

Training standard

Contents analysis form

Title:	Time			
HTML5 Coding	theoretical	practical	Total	
	Determined by the instructor			

Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipment's ,tools, materials ,books
Knowledge and Skill:	Determined by the instructor			From **Microsoft**
-Introduction to using HTML5				
- Elements and Markup Tags				
- Markup Tags				
- Web Site File Structure				
-Preparing Your Development Environment				
-Style sheets				
-Paragraph Formatting and Elements Block-level				
-Text-Level Elements				
-lists				
-Good Coding practice				
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Training standard

Contents analysis form

Title: Horizontal Rules and Graphical Elements	Time			
	theoretical	practical	Total	
	Determined by the instructor			

Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipment's ,tools, materials ,books
Knowledge and Skill: -Horizontal Rules in HTML5 -Images in Web pages -Special Characters -Page colors and Backgrounds -Specifying Font Information -Web Design Issues	Determined by the instructor			From **Microsoft**
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Training standard

Contents analysis form

Title: Hyperlinks	Time			
	theoretical	practical	Total	
	Determined by the instructor			

Knowledge ,skill ,attitude ,safety, Environmental Consideration		Equipment's ,tools, materials ,books
Knowledge and Skill: -Introduction to Hyperlinks -The Anchor Tag -Creating Local Hyperlinks -Creating External Hyperlink -Using Images as Hyperlinks -Creating Internal Links -Managing Hyperlinks	Determined by the instructor	From **Microsoft**
Attitude: Speed and accuracy in doing the right thing		
Health & Safety: Compliance with safety protection in the workplace		
Environmental Consideration: Compliance with environmental protection		

Training standard

Contents analysis form

Title: Tables	Time			
	theoretical	practical	Total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipment's ,tools, materials ,books
Knowledge and Skill: -Introduction to Tables -Height and Width of Table Elements -Column and Row Spanning -Formatting Content in Tables	Determined by the instructor			From **Microsoft**
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Training standard

Contents analysis form

Title: Web Forms	Time			
	theoretical	practical	Total	
	Determined by the instructor			

Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipment's ,tools, materials ,books
Knowledge and Skill: -Introduction to Web Forms -Web Forms and CGI -The <form> Tag -Web Form Fields (Html5 from Field)	Determined by the instructor			From **Microsoft**
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Training standard

Contents analysis form

Title: Video & Audio & Image Techniques	Time			
	theoretical	practical	Total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipment's ,tools, materials ,books
Knowledge and Skill: -Image Techniques -Image Maps -Introduction to Web Image Techniques -Image Transparency -Image Interlacing -Animation - Video & Audio in HTML5	Determined by the instructor			From **Microsoft**
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Training standard

Contents analysis form

Title: CSS Introduction	Time			
	theoretical	practical	Total	
	Determined by the instructor			

Knowledge ,skill ,attitude ,safety, Environmental Consideration	Equipment's ,tools, materials ,books

Knowledge and Skill: -What is CSS? -What's needed -Basics -Web Sites that use CSS -Breakdown of a CSS rule -Writing Your First Rule	Determined by the instructor			From **Microsoft**

Attitude: Speed and accuracy in doing the right thing

Health & Safety: Compliance with safety protection in the workplace

Environmental Consideration: Compliance with environmental protection

Training standard

Contents analysis form

Title: CSS Selector	Time			
	theoretical	practical	Total	
	Determined by the instructor			

Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipment's ,tools, materials ,books
Knowledge and Skill: -Tag Selector -Class Selector - Pseudo Selector[:link, :visited, :hover, :active]	Determined by the instructor			From **Microsoft**
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Training standard
Contents analysis form

Title:	Time			
Background Properties	theoretical	practical	Total	
	Determined by the instructor			

Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipment's ,tools, materials ,books
Knowledge and Skill:	Determined by the instructor			From **Microsoft**
-background				
-background-attachment				
-background-color				
-background-image				
-background-position				
-background-repeat				
-background-clip				
-background-origin				
-background-size				
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Training standard

Contents analysis form

Title:	Time			
	theoretical	practical	Total	
Font Properties	Determined by the instructor			

Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipment's ,tools, materials ,books
Knowledge and Skill:	Determined by the instructor			From **Microsoft**
-font				
- font -family				
- font -style				
- font-variant				
- font-weight				
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Training standard

Contents analysis form

Title:	time			
List Properties	theoretical	practical	total	
	Determined by the instructor			

Knowledge ,skill ,attitude ,safety, Environmental Consideration		Equipment's ,tools, materials ,books
Knowledge and Skill:	Determined by the instructor	From **Microsoft**
-list-style				
-list-style-image				
-list-style-position				
-list-style-type				
Attitude: Speed and accuracy in doing the right thing		
Health & Safety: Compliance with safety protection in the workplace		
Environmental Consideration: Compliance with environmental protection		

Training standard

Contents analysis form

Title:	time			
Title:	theoretical	practical	total	
Margin Properties	Determined by the instructor			

Knowledge ,skill ,attitude ,safety, Environmental Consideration		Equipment's ,tools, materials ,books
Knowledge: -margin -margin-bottom -margin-left -margin-right -margin-top	Determined by the instructor	From **Microsoft**
Attitude: Speed and accuracy in doing the right thing		
Health & Safety: Compliance with safety protection in the workplace		
Environmental Consideration: Compliance with environmental protection		

Training standard

Contents analysis form

Title: Text Properties	Time			
	theoretical	practical	Total	
	Determined by the instructor			

Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipment's ,tools, materials ,books
Knowledge and Skill: -color -direction -letter-spacing -line-height -text-align -text-decoration -text-indent -text-transform -vertical-align -word-spacing	Determined by the instructor			From **Microsoft**
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Training standard

Contents analysis form

Title: CSS Introduction	Time			
	theoretical	practical	Total	
	Determined by the instructor			
Knowledge ,skill ,attitude ,safety, Environmental Consideration				Equipment's ,tools, materials ,books
Knowledge and Skill: - What is CSS? - What's needed - Basics - Web Sites that use CSS - Breakdown of a CSS rule - Writing Your First Rule	Determined by the instructor			From **Microsoft**
Attitude: Speed and accuracy in doing the right thing				
Health & Safety: Compliance with safety protection in the workplace				
Environmental Consideration: Compliance with environmental protection				

Equipment & Tools & Materials & Resources (books, site, software…) form

  *Required quantity for each 15 Trainees

  From: Microsoft