Oklahoma State University Institute of Technology
Online Syllabus
Spring 2018

ITD 1353 Section NT 1 & 2 Web Development

Students learn web development through the application of various development principles, tools, and technologies. Topics include: image formats; HTML; Dynamic HTML; FTP; CSS, and JavaScript. Theory/Lab.

Course Purpose

The purpose of the Web Development course is to familiarize the student with the basic standard languages of Internet web pages. For some students, the principles of this course will carry over into professional web design positions. All students will observe similarities between the logic and flow of the development languages and programming languages, thus reinforcing the disciplines of attributes, syntax, and other characteristics that produce attractive and usable displays.

Type of course: Theory/Lab

Credit Hours: 3;
> Total hours of theory per semester: 30
> Total hours of lab for the semester: 45

Class length - Full Semester
Class format: Fully online
Class days and times: NA

Prerequisites: None

Instructor Name: Howard Licht   **Instructor Phone:** (918) 293-4786
Office: ET/IT 15B   **Instructor email:** licht@okstate.edu

Contact: The preferred method of contact is email. Please allow 24-48 hours to return correspondence during the normal work week.

Instructor's Office Hours:

Monday	Tuesday	Wednesday	Thursday	Friday
9:00 a.m. to 11:30	1:00 p.m. to 3:00	9:00 a.m. to 11:30	1:00 p.m. to 3:00	Appointment only

Available by phone on Monday and Wednesday evenings from 6:30 to 8:30

School Name: **School Phone:**
Information Technologies   (918) 293-5440

REQUIRED TEXT, REFERENCES, AND MATERIALS

Texts:
> *Head First HTML and CSS: Second Edition.* Freeman, Eric; Robson, Elisabeth,
> O'Reilly Media, Inc. ISBN 978-0-596-15990-0

References:
> http://www.w3schools.com/ http://wickedlysmart.com/hfhtmlcss/

> Online Classroom

Materials:
> Portable Drive/USB Drive, pencil(s), notebook paper
> A text editor (Notepad++ as an example)

Access to a computer with broadband Internet Access (2Mbps upload preferred)

Uniform/Tools:
> none

Estimated Cost for Text:	$45
Estimated Cost for Materials:	$20
Estimated Cost for Uniform/Tools:	$0
Total Estimated Cost	$65

Upon completion of the course, students should:

	COURSE OBJECTIVES	ASSESSMENT OF OBJECTIVE
A.3	apply basic, validated HTML structure to create, develop, or maintain basic web pages or sites	Townsend Module Assignments, Course Project *
B.3	Complete assignment scenarios that require development of solution recommendations based on course content.	Exam Labs
J.3	integrate HTML and CSS processes into the design and develop of effective page layout, color selection, font size and type plus image or video placement and formatting	Townsend Module Assignments, Course Project *
K.3	manage of maintain scalable network or IT system solutions meeting the business criteria	Course Project *
N.1	determine the scope, time, or cost goals for a specific project	Course Project *

*Aspects of the course objective assessments may be used in the university's assessment of student learning. If applicable, an asterisk (*) above indicates this assignment is used in the university assessment program.

COURSE ACTIVITIES
In this course students will:
- Use HTML tags to format web page content.
- Use hyperlinks to link page sections or external web pages.
- Apply page design to develop HTML for page.
- Locate and understand the use of a web site hosting company.
- Use the different image file types and how to insert them into a web page.
- Explain the different HTML versions.
- Understand doctype and why it is important.
- Apply validation to correct HTML code on web pages.
- Develop styles for pages and build Cascading Style Sheets to style page content.
- Apply font families and web colors to web pages.
- Use the box model to format elements of web page layout.
- Use divs and spans to position content.
- Modify HTML to HTML5 specifications.
- Use tables to format web page information.
- Develop forms for web page use.
- Write JavaScript to provide activity to web pages.

EVALUATION - GRADES WILL BE BASED ON THE QUALITY AND COMPLETION OF THESE TASKS:

Final Grade Calculation	
Module Assignments	25%
Class Discussions, Module Quizzes	20%
Section Exams	20%
Course Project *	15%
Final Exam	10%
Professional Development**	5%
Course Portfolio	5%
Total	100%

OSUIT Grading Scale

A = 90-100
B = 80-89.99
C = 70-79.99
D = 60-69.99
F = 59.99 & below

*The student's grade for this assignment will be used in the university's assessment of student learning. A 70% competency or higher receives a Pass rating. This Pass/Fail rating is independent of the student's course grade.

** Information Technologies students are expected to participate in professional development activities as defined in the supplemental professional development activity guidelines in the online classroom.

RECOMMENDED STUDENT COMPETENCIES/SKILLS

Students enrolled for Web Development should have the following competencies/skills in order to participate successfully: (List is not all-inclusive)

- Basic typing skills
- Knowledge of basic computer functions including the ability to load/start software applications
- Ability to use a simple text editor and save text files in various formats/extensions
- Capability to screen-capture ([ALT]-[PrtScn]) and copy/paste to a Word® document
- Understanding of onscreen folder systems and the ability to create/organize/navigate among folders
- Familiarity with different browser types
- Working knowledge of how to zip/unzip files for bulk submission

ONLINE COURSE INTERACTION

This online course uses a variety of tools to build a community of learners and strengthen communication between students and their peers, as well as between students and the instructor. Through the use of these tools, students will be able to interact with others in the virtual classroom. Communication tools used in this course include Discussion, News, Blackboard Collaborate, and Email.

INTERACTION WITH PEERS

Each week, a student will be required to post one original post and at least two responses to their peers on the discussion board within the Online Classroom (D2L).

Required: Original post and two responses to peers per discussion thread
> Original post – By 11:59 p.m. Central Standard Time of the third day of the discussion period
> Responses to Peers – By 11:59 p.m. Central Standard time of the last day of the discussion period.

INTERACTION WITH INSTRUCTOR

In addition to office hours (as indicated on the first page of this syllabus), students can also expect the instructor to provide:
- input to discussion threads
- additional information and updates about the course as needed through e-mails and the News feature in the Online Classroom (D2L)
- detailed analysis, feedback and explanation of grades according to the following schedule
> Daily and/or weekly quizzes, small weekly assignments and similar type projects: Normal return time to students is about one (1) week.
> Extensive assignments, large lab projects, extensive quizzes, exams and similar type projects: Normal return time to students in about one (1) to two (2) weeks.

Students may contact the instructor by email at any time with questions or concerns about their course; however, student should allow 24-48 hours to receive a reply to their correspondence on weekdays. The instructor may not be available to respond to correspondence on the

weekend, so it is advisable that students not leave coursework until the last possible moment in case they need assistance.

AUTHORIZED TOOLS
Students may use any/all course materials, including books and notes, while participating in classroom activities with the exception of class exams. All quizzes, exams, and written assignments are to be completed independently; no collaboration with classmates is permitted and any instance of such will be considered academic dishonesty.

This class requires the use of web related languages and markup. Assignments are expected to be completed in the appropriate language and environment when specified in the assignment or assessment. All editing of HTML and CSS files is expected to be done with a text editor. The use of advanced editing suites such as DreamWeaver is not in the scope of this course.

LATE WORK POLICY
Assignments must be completed and submitted on time. Absence or personal problems will not be considered an excuse for submitting assignments late. Late assignments are accepted only at the instructor's discretion and an adjustment may be assessed to the grade. Class demonstrations, workshops and/or training sessions will not be repeated. If a student is to be absent, it is the student's responsibility to make sure the work is submitted by the due date and time. To meet course competencies, students will be required to complete all assignments and course work.

If the faculty member grades an assignment you have submitted before the due date, you do not have the ability to modify the assignment to increase your grade. Any additional submissions will not be opened, so make sure you are ready to submit your assignments and accept the grade you are given.

TESTING
Exams:
Regular exams may include any combination of multiple choice, matching, true/false, fill in the blank, completion, hands on projects, programming assignments, essay and/or short answer questions. Exams may be taken early at the discretion of the instructor. Exams may not be taken late unless there is an accepted, excused, and documented absence. Exams may be timed exams.

Exams will be given on the date and time set by the instructor. Make-up exams will not be given without proper documentation. Make-up exams will only be given at times arranged with the instructor.

UNIVERSITY & COURSE EXPECTATIONS
As a student of OSUIT, I understand that it is my responsibility to read, abide by and maintain a copy of the syllabus for this course. Syllabi are also available on the OSUIT website.

As a student of OSUIT, I understand that excerpts of portions of my work may be utilized for institutional assessment purposes. The purpose of institutional assessment is for verification of student learning and program improvement. I recognize that every effort will be made to keep this information confidential.

COURSE PORTFOLIO
Each student is required to keep a portfolio of all work in the course. The portfolio is used for reference to help a student in case questions arise and with all other classes that the student will take in this school. The portfolio will be kept electronically and an electronic folder structure template will be provided to help organize the portfolio. This compilation will be submitted at the end of semester in the portfolio area on the online classroom. All information will be placed into the portfolio template following the instructions given by the instructor on the course companion site.

ASSIGNMENT SUBMISSION
Assignments, labs, projects and written work for the course will utilize the Drop box submission process in Online Classroom unless otherwise noted by the instructor or in the assignment instructions. Before submission, a student should ensure the assignment has the correct heading (assignment template) and that the assignment is being submitted on or before the due date. The instructor may request an additional hard copy of assignments throughout the term. A hard copy of the assignment does not replace the need to submit the assignment to the appropriate drop box in the Online Classroom unless specifically stated by the instructor.

It is the responsibility of the student to ensure that work submitted to the Drop box was received and is accessible. Assignments may require research. Research is considered "a search for the truth". Until the correct information is found your search is incomplete. In order to complete the course assignments, you may have to conduct searches outside of the course curriculum materials. It is important for this course to note that no one source can provide all the information needed to complete assignments. Multiple sources from those provided in class can help to build your ability to find answers and complete assignments, labs and projects. Be prepared to provide evidence of your searches to the instructor.

An FTP site is not to be used for submission without the instructor's direction to submit that method.

When work is submitted to the drop box, the file name needs to follow this naming convention.
<Student's first name><Student's Last name><Original Assignment File Name>

For example, if student John Smith were submitting his assignment with the original file name of HomeworkAssignment02.docx then his filename of his submitted file should be:
JohnSmithHomeworkAssignment02.docx

Homework and In-Class Activities: Students may submit work anytime up to the due date and time to the appropriate Online Classroom drop boxes. All homework submitted by 11:59PM on the day the homework is due is considered to be on time.

No homework is accepted late. The only exceptions are the same that you will encounter in the workforce. These are listed in the policy on absences in this document. Appropriate documentation must be provided for all activities. If an exception is allowed per stated policy, the student will be informed and the homework must be turned into the instructor by the allowed due date.

All work should be type written with a 12-point Times New Roman font. Double spacing is not required although may be best for some sections of assignments. Any handwritten assignments

accepted must be readable by the instructor. Excessively small, sloppy, or otherwise unreadable written assignments may not earn credit.

Each assignment must be written appropriately for industry standards. Industry requirements include proper spelling and grammar use in reports. The proper use of grammar and spelling assists in the communication of information as a technician to customers, clients, and supervisors. Each assignment and lab report should include the appropriate and proper use of grammar, punctuation, and spelling. The grading criterion for every assignment and lab report includes grammar, punctuation, and spelling.

Each assignment must contain a heading. Headings for assignments in this course include your name, due date, course ID, and instructor name. This heading is used for both electronic and hard copy work. Failure to use the correct heading will result in a reduction of points from the final assessment score of the assignment. Assignments submitted with no name will not be graded.

This is the heading table template.

Course Name	ITD 1353 – Web Development
Instructor	Howard Licht
Student Name	***student name here***
Due date	***assignment due date here***
Grade	***grade earned here***
Grading Comments	***instructor comments here***

Replace the material tags (stuff in **bold** and *italics*) with the appropriate information.

OTHER LAB AND CLASSROOM POLICIES

Proper Safety Procedures: Information Technologies courses may require students to enter labs where tools and equipment are being used. As a result, students must dress and use safety equipment appropriate to the setting they are in. If students do not understand proper safety procedures, they must ask an instructor for assistance In addition, students must ask for permission to use any equipment or facilities in advance.

Drops and Withdrawals: Students are strongly advised to meet with their instructors to discuss possible alternatives before deciding to drop a course or withdraw from school. Students must meet with the Division Chair to initiate drops and withdrawals. Due to federal requirements and guidelines for Student Financial Aid, students are advised to consult a representative from Student Financial Services in addition to the School Chair prior to dropping a class or withdrawing from the University. Students have the responsibility of processing drops and withdrawals. Note: Most failing grades result when students cease attending class, but do not take the steps necessary to preserve their academic standing.

Standard Policies and Procedures: Each student is responsible for being aware of the information contained in the OSU Institute of Technology Catalog, on-line Student Handbook, and semester Class Schedule. Policies and procedures not addressed in this document will follow the on-line Student Handbook, the Students' Rights and Responsibilities, and the OSU Institute of Technology Policy and Procedures Manual. Policies not addressing the documents identified above will follow those

provided by the State Regents' of Oklahoma and A&M Colleges. Policies and procedures not addressed in the standard manual will follow the policies of the federal, state and local governmental (or professional) organizations, which issued them.

Course Outline Modification: Instructors reserve the right to change or modify course content during an academic term. Any changes will be shared with students in writing or posted in the online classroom.

COMPUTER LAB USER GUIDELINES
The primary purpose of the computer labs is to support the educational process. Therefore, priority of use will be given to the completion of assignments, exercises, and projects for academic courses. Inappropriate or illegal use of University resources may result in: the termination of access privileges, legal action or disciplinary review. Violation of this policy may constitute a criminal offense. In general, misconduct involving technology use—regardless of time or location—relates to the following:
- Destruction of equipment;
- Accessing or altering any form of technology communication without consent;
- Transmitting or receiving inappropriate information or graphics;
- Disruption of technology or classroom/lab operations.

Use of IT School computer labs and equipment must conform to campus IT policies available at http://www.osuit.edu/campus_community/cis—except where specifically allowed by School or instructor policies. In addition, students will be expected to abide by the following guidelines.
1. Be respectful of other users. Keep personal belongings out of the path of traffic.
2. Recreational use of computers during class is not permitted.
3. Rendering of images, sounds, language or messages that may be considered offensive by any other individual is unacceptable.
4. Modification of software and hardware are prohibited except with an instructor's guidance and approval.

The *Computer Lab User Guidelines* applies when a student is on campus using the campus facilities in the pursuit of the class requirements.

ONLINE CLASSROOM
The OSUIT Online Classroom will serve as the primary conduit for course information and deliverables. Therefore, students are responsible for checking it regularly. Unless otherwise directed, assignments must be submitted via the Online Classroom.

Week(s)	Topics and Competencies	Assignment(s)
	Course Schedule* Module Labs, Module Exercises, Module Review Questions, and Module Quizzes are generally scheduled to be due on the last day during a given coverage period for the material. Exams are generally given at the end of a coverage period or immediately thereafter and are announced ahead of time.	

Week(s)	Topics and Competencies	Assignment(s)
1	**MODULE 1** Class Introduction Chapter 1: The Language of the Web ⭕ Getting to know HTML ⭕ Learning what a web server does ⭕ Learning to write HTML ⭕ Understanding browsers are different	• Module Reading Assignments • Module Labs • Module Exercises • Module Review Questions • Module Quiz
2	**MODULE 2** Chapter 2: Meeting the 'HT' in HTML ⭕ Using hyperlinks to connect documents ⭕ Learning the anchor (<a>) tag ⭕ Understanding tag attributes ⭕ Learning folder organization ⭕ Planning the folder structure Project Introduction	• Module Reading Assignments • Module Labs • Module Exercises • Module Review Questions • Module Quiz
3	**MODULE 3** Chapter 3: Web Page Construction ⭕ Using rough sketches ⭕ Developing a page outline ⭕ The <q> element ⭕ Learning <blockquote> ⭕ The element ⭕ Developing a list ⭕ Understanding nesting	• Module Reading Assignments • Module Labs • Module Exercises • Module Review Questions • Module Quiz
4	**MODULE 4** Chapter 4: A Trip to Webville ⭕ Finding a hosting company ⭕ Learning what URLs represent ⭕ More about folder structure ⭕ Using hyperlinks to link pages ⭕ Understanding the title and ID tags	• Module Reading Assignments • Module Labs • Module Exercises • Module Review Questions • Module Quiz **EXAM SECTION 1**
	End of Section 1	

Course Schedule*
Module Labs, Module Exercises, Module Review Questions, and Module Quizzes are generally scheduled to be due on the last day during a given coverage period for the material. Exams are generally given at the end of a coverage period or immediately thereafter and are announced ahead of time.

Week(s)	Topics and Competencies	Assignment(s)

5	**MODULE 5**
	Chapter 5: Meeting the Media
	   ⊙ Using the <img> tag
	   ⊙ Learning the differences in PNG, JPG and GIF
	   ⊙ Understanding how browsers work
	   ⊙ Learning src, alt, width, and height attributes
	   ⊙ Using thumbnails
	   ⊙ Learning about colors
		• Module Reading
		• Assignments
		• Module Labs
		• Module Exercises
		  Module Review
		  Questions
		  Module Quiz

6	**MODULE 6**
	Chapter 6: Serious HTML
	   ⊙ Using the W3C validator
	   ⊙ Learning the <doctype> tag
	   ⊙ Understanding tag attributes
	   ⊙ Learning the <meta> tag
		• Module Reading
		  Assignments
		• Module Labs
		• Module Exercises
		• Module Review
		  Questions
		• Module Quiz

7	**MODULE 7**
	Chapter 7: Adding a Little Style
	   ⊙ Using CSS with HTML
	   ⊙ Learning the style (<style>) tag
	   ⊙ Understanding selectors
	   ⊙ Creating a CSS file
	   ⊙ Linking external stylesheets (CSS files)
	   ⊙ Understanding inheritance
	   ⊙ Creating a class selector
		• Module Reading
		  Assignments
		• Module Labs
		• Module Exercises
		• Module Review
		  Questions
		• Module Quiz
		EXAM SECTION 2

	End of Section 2	

8	**MODULE 8**
	Chapter 8: Expanding your Vocabulary
	   ⊙ Using font family attributes
	   ⊙ Specifying font families using CSS
	   ⊙ Adjusting font sizes
	   ⊙ Adding style to your fonts
	   ⊙ How web colors work
		• Module Reading
		  Assignments
		• Module Labs
		• Module Exercises
		• Module Review
		  Questions
		• Module Quiz
		
		Professional Development
		Due: February 25, 2018

Course Schedule*
Module Labs, Module Exercises, Module Review Questions, and Module Quizzes are generally scheduled to be due on the last day during a given coverage period for the material. Exams are generally given at the end of a coverage period or immediately thereafter and are announced ahead of time.

Week(s)	Topics and Competencies	Assignment(s)
9	**MODULE 9** Chapter 9: Getting Intimate with Elements ⊙ Look at the box model ⊙ Creating a style ⊙ Padding, border, and margins ⊙ Adding a background image ⊙ The id attribute ⊙ Using multiple stylesheets ⊙ Add media queries right into your CSS	• Module Reading • Assignments • Module Labs • Module Exercises Module Review Questions Module Quiz
	End of Section 3	

Week(s)	Topics and Competencies	Assignment(s)
10	**MODULE 10** Chapter 10: Advanced Web Construction ⊙ Using divs to mark sections ⊙ Adding a border ⊙ Fixing the line height ⊙ Little shortcuts ⊙ Adding <span>s ⊙ The <a> element ⊙ Getting to know the pseudo-class ⊙ The Cascade in Cascading Style Sheets	• Module Reading Assignments • Module Labs • Module Exercises • Module Review Questions • Module Quiz **EXAM SECTION 3**
11	**MODULE 11** Chapter 11: Arranging Elements ⊙ About inline elements ⊙ Understanding flow and boxes ⊙ How to float an element E ⊙ Fixing the two-column problem ⊙ Solving the overlap problem ⊙ Liquid and frozen designs ⊙ How absolute positioning works ⊙ How CSS table display works	• Module Reading Assignments • Module Labs • Module Exercises • Module Review Questions • Module Quiz
	Spring Break March 19-23	

Week(s)	Topics and Competencies	Assignment(s)
	Course Schedule* Module Labs, Module Exercises, Module Review Questions, and Module Quizzes are generally scheduled to be due on the last day during a given coverage period for the material. Exams are generally given at the end of a coverage period or immediately thereafter and are announced ahead of time.	
12	**MODULE 12** Chapter 12: Modern HTML ⊙ Rethinking HTML structure ⊙ The <time> element ⊙ Completing the navigation ⊙ Adding the navigation CSS ⊙ Adding a <nav> element ⊙ Introducing the <video> element ⊙ The video format contenders	• Module Reading Assignments • Module Labs • Module Exercises • Module Review Questions • Module Quiz
	End of Section 4	
13	**MODULE 13** Chapter 13: Getting Tabular ⊙ Making tables with HTML ⊙ Adding a caption ⊙ Let's style the table ⊙ The nested table ⊙ Custom markers	• Module Reading Assignments • Module Labs • Module Exercises • Module Review Questions • Module Quiz **EXAM SECTION 4**
14	**MODULE 14** Chapter 14: Getting Interactive ⊙ How forms work ⊙ The <form> element ⊙ Those input elements ⊙ The select element ⊙ The radio buttons ⊙ Checkboxes and text area	• Module Reading Assignments • Module Labs • Module Exercises • Module Review Questions • Module Quiz
	End of Section 5 (No Section 5 Exam)	
		PROJECT DUE: April 19, 2018
4/16 to 4/19	Final Exam – Theory and Lab	**EXAM COMPREHENSIVE FINAL**
4/20	Portfolio	**FINAL COURSE PORTFOLIO DUE:** April 20, 2018

Refer to the drop boxes and quiz items in the online classroom for due dates on assigned class work
*Schedule subject to change at instructor discretion or extenuating circumstances.