

**Topic: Web & New Media**

\*Resources and notes used in the lesson will be posted on the teacher’s homepage / module / IVLE website so that students who are absent from the lesson can complete the lesson at home.

	<b>Objective</b>	<b>Topic</b>	<b>Resources</b>	<b>Remarks</b>
	<p>Students will learn about Internet &amp; World Wide Web, creation of various web applications and design techniques of building a website.</p>	<p>Topics will cover:</p> <ul style="list-style-type: none"> <li>• Internet &amp; world wide web, web 2.0 generation, design &amp; aesthetics, usability, and user-experience</li> <li>• Knowledge / creation of various web applications: facebook, twitter, youtube, google docs, google map, blogger / wordpress, flickr, wiki, addthis etc.</li> <li>• Design techniques of building a website; Web publishing.</li> <li>• Human-computer interaction, socialisation, basic web design &amp; HTML / CSS, typography, colour, choice of media, interactivity and responsible use of new media: netiquettes and intellectual property.</li> </ul> <p>Fast track learners will be adopting an independent learning approach with minimum guidance. Peer-tutoring and self initiated projects will be considered for their differentiated assessment.</p>	<p>Computer lab</p> <p><i>Software:</i> Adobe Dreamweaver CS5.5, Notepad, Internet Explorer</p> <p>EMB account</p> <p><i>Website:</i> IVLE Subject: Web &amp; New Media</p>	<p>Assessment:</p> <ul style="list-style-type: none"> <li>• Forum</li> <li>• Reflection Blog</li> <li>• HTML &amp; CSS Challenges (Pair)</li> <li>• Class Test</li> <li>• Final Project : ePortfolio</li> </ul>

<p>Wk1</p>	<p>Students will be able to:</p> <ol style="list-style-type: none"> <li>1. Discuss the history of the Internet</li> <li>2. Explain how to access and connect to the Internet</li> <li>3. Analyze an IP address</li> <li>4. Identify the components of a Web address</li> <li>5. Explain the purpose of a Web browser</li> <li>6. Search for information on the Web</li> <li>7. Describe the types of Web sites</li> <li>8. Recognize how Web pages use graphics, animation, audio, video, virtual reality, and plug-ins</li> <li>9. Identify the steps required for Web publishing</li> <li>10. Describe the types of e-commerce</li> <li>11. Explain how e-mail, FTP, newsgroups and message boards, mailing lists, chat rooms, instant messaging, and Internet telephony work</li> <li>12. Identify the rules of netiquette</li> <li>13. Familiarise with Web 2.0 term and tools</li> <li>14. Create a blog</li> </ol>	<p>Internet &amp; WWW; Web 123; Tools                  Familiarizing: Facebook, Twitter, Youtube, Google docs, Google map, Blogger / Wordpress, Wiki, Flickr, Addthis etc.</p>	<p>Computer lab</p> <p>*Reading:                  The Internet and WWW.pdf</p> <p>*Websites:</p> <ol style="list-style-type: none"> <li>1. <a href="http://www.facebook.com">www.facebook.com</a></li> <li>2. <a href="http://www.twitter.com">www.twitter.com</a></li> <li>3. <a href="http://www.youtube.com">www.youtube.com</a></li> <li>4. <a href="http://www.flickr.com">www.flickr.com</a></li> <li>5. <a href="http://www.blogger.com">www.blogger.com</a></li> <li>6. <a href="http://www.wordpress.com">www.wordpress.com</a></li> <li>7. <a href="http://www.docs.google.com">www.docs.google.com</a></li> <li>8. <a href="http://maps.google.com.sg">maps.google.com.sg</a></li> <li>9. <a href="http://www.wikispaces.com">www.wikispaces.com</a></li> <li>10. <a href="http://www.addthis.com">www.addthis.com</a></li> </ol> <p>* Videos:</p> <ol style="list-style-type: none"> <li>1. The Internet (VCD)</li> <li>2. Web 1 and 2 (Youtube)  <a href="http://www.youtube.com/watch?v=YXFYkbQRgY4&amp;feature=related">http://www.youtube.com/watch?v=YXFYkbQRgY4&amp;feature=related</a></li> <li>3. Web 2 (Youtube)  <a href="http://www.youtube.com/watch?v=nsa5ZTRJQ5w&amp;feature=related">http://www.youtube.com/watch?v=nsa5ZTRJQ5w&amp;feature=related</a></li> </ol>	<p>* Intro IVLE: WNM website                  * Intro WNM unit requirements                  * Intro today lesson                  * Show Video Introduction of "The Internet"                  * Show Youtube Videos of "Web 123"                  * Familiarise with Web 2.0 tools                  * Create a Blog at blogger / wordpress (Homework)</p> <p>Assessment (15 marks) - Ability to create a blog successfully with the inclusion of prior IT knowledge information (for lesson 1), reflection journals (for at least 4 lessons) with appropriate images. Blog URL to be submitted by L2.</p>
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<p>Wk2</p>	<p>Students will be able to:                      1. Be introduced what is HCI                      2. Explain social networking websites, its uses and social impacts                      3. Identify rules of netiquette and importance of IP</p>	<p>Human-Computer Interaction (HCI); Socialization; Usability &amp; User-Experience; Netiquettes; Intellectual Property (IP).</p>	<p>Computer lab</p> <p>*Website:                      1. IVLE</p> <p>*Videos:                      1. <a href="http://www.youtube.com/watch?v=ukYBAa89kT0">http://www.youtube.com/watch?v=ukYBAa89kT0</a>                      2. <a href="http://www.youtube.com/watch?v=6a_KF7TYKvc">http://www.youtube.com/watch?v=6a_KF7TYKvc</a>                      3. <a href="http://www.youtube.com/watch?v=muk_Z4jlfKk">http://www.youtube.com/watch?v=muk_Z4jlfKk</a>                      4. Video on IP (VCD)</p>	<p>* Revise last lesson and check blogs                      * Intro today lesson                      * Watch various videos                      * Advise participation in Discussion Forum 1: Social impacts of New Media                      * Advise knowledgeable group to moderate the forum (differentiated)                      * Advise Blog URL to be submitted</p> <p>Assessment (5 marks) - Ability to post &amp; reply meaningful discussions. Assessment is based on shallow/in-depth contributions.</p>
<p>Wk3</p>	<p>Students will be able to:                      1. Identify HTML structure                      2. Create simple web page using basic HTML codes                      3. Self-study CSS (differentiated)</p>	<p>Design techniques of building a website – HTML.</p> <ul style="list-style-type: none"> <li>• HTML Structure</li> <li>• Common tags: &lt;h1&gt; etc, &lt;em&gt;, &lt;a&gt;, &lt;dl&gt; etc, &lt;div&gt;, &lt;hr&gt;, etc.</li> <li>• Common attributes: align, width, height etc.</li> </ul>	<p>Computer lab</p> <p>*Websites:                      1. <a href="http://www.w3.org/standards/webdesign/">www.w3.org/standards/webdesign/</a>                      2. <a href="http://www.w3schools.com">www.w3schools.com</a>                      3. <a href="http://www.w3.org/Style/Examples/011/firstcss">www.w3.org/Style/Examples/011/firstcss</a> (differentiated)</p> <p>*Software: Notepad / Dreamweaver</p>	<p>* Revise last lesson and check forum                      * Intro today lesson                      * Intro HTML                      * Demo to create HTML web page                      * Intro CSS (differentiated)                      * Advise participation in Discussion Forum 2: Blog or website? Which is best?                      * Advise knowledgeable group to moderate the forum (differentiated)</p> <p>Assessment - <u>Pair</u> with a peer to attempt a HTML Challenge Worksheet.</p>

<p>Wk4</p>	<p>Students will be able to:                      1. Understand CSS and external stylesheet                      2. Create simple web page using basic HTML codes with CSS                      3. Self-reading Scripting &amp; AJAX (differentiated)</p>	<p>Design techniques of building a website – CSS.</p> <ul style="list-style-type: none"> <li>• Inline, on-page, external stylesheet</li> <li>• &lt;link&gt;</li> <li>• change of font / header color / size, body background color / image, hyperlink color, list style etc.</li> </ul>	<p>Computer lab</p> <p>*Websites:                      1. <a href="http://www.w3schools.com">www.w3schools.com</a>                      2. <a href="http://www.w3.org/Style/Examples/011/firstcss">www.w3.org/Style/Examples/011/firstcss</a>                      3. <a href="http://www.w3.org/standards/webdesign/script">www.w3.org/standards/webdesign/script</a></p> <p>*Software: Notepad / Dreamweaver</p>	<p>* Revise last lesson and check HTML files                      * Intro today lesson                      * Intro CSS                      * Demo to create HTML &amp; CSS web page                      * Intro Javascript (differentiated)                      * Advise Blog to be updated and URL to be submitted</p> <p>Assessment (10 marks) – Using previous HTML Challenge file, <u>Pair</u> with a peer to attempt a CSS Challenge Worksheet.</p>
<p>Wk5</p>	<p>Students will be able to:                      1. Establish an eye for design                      2. Identify the steps required for web publishing and FTP</p>	<p>Design &amp; Aesthetics - Typography, Colour, Choice of Media, Interactivity; Web Publishing &amp; FTP.</p>	<p>Computer lab</p> <p>* Websites                      1. <a href="http://www.colormatters.com/colortheory.html">http://www.colormatters.com/colortheory.html</a>                      2. <a href="http://www.youtube.com/watch?v=Ki6rcXvUWP0">http://www.youtube.com/watch?v=Ki6rcXvUWP0</a></p> <p>* Reading                      1. How_to_FTP.pdf</p>	<p>* Revise last lesson and check files                      * Intro Color theory                      * Intro Typography                      * Intro Web Publishing                      * Intro FTP procedures                      * Revise all previous lessons                      * Give Quiz (gradable)</p> <p>Assessment - Submission of Blog with at least 4 reflection journals till date.</p>
<p>Wk6</p>	<p>To test the understanding of the following:                      1. Internet &amp; WWW basics                      2. Web 2.0 technologies                      3. Web Design HTML + CSS</p>	<p>Class Test (Theory only)</p>	<p>Lab (use Lanschool Test System)</p> <p>Test question papers</p> <p>EMB Account</p>	<p>Assessment (30 marks) - Ability to understand all issues, topics and skills taught and discussed in the previous lessons and pass the test.</p>

Wk7	<p>Students will be able to:</p> <ol style="list-style-type: none"> <li>1. Create a personal digital portfolio with HTML / CSS based on a given sample template</li> <li>2. Customise from the template and be creative in their design</li> <li>3. Apply design principles to their website</li> <li>4. Integrate useful web 2.0 tools such as google form, flickr, youtube etc. into their website</li> </ol>	Final Project – My ePortfolio.	<p>Computer lab</p> <p>* Reading WNM Final Project.pdf 1.</p>	<p>* Brief WNM Final Project requirements</p> <p>* Show project samples</p> <p>* Revise few skills to create website</p> <p>* Revise commonly used web 2.0 tools and explain embedding function</p> <p>Assessment (40 marks) - Ability to customise design from a given website template, apply design principles to enhance the look and feel of website and integrate some good functionalities of web 2.0 applications into student's portfolio website.</p>
Wk8	Project Consultation	<p>Project Consultation</p> <p>* Full time facilitation in lab</p>	Computer lab	
Wk9-10	Consultation / Project Submission / Feedback / Sabbatical	* Project Submission via EMB (IS)	Computer lab	

**Assessment of InfoComm Studies – Web & New Media**

**1. There will be no End Of Year examination, assessment will be based on the following:**

Assessment Methods	Weighting	Remarks
Term Test	30%	Written test
Assignments + Projects (To replace end of year examination)  Examples: <ul style="list-style-type: none"> <li>• Forum (5%)</li> <li>• Reflection Blog (15%)</li> <li>• HTML &amp; CSS Challenges (Pair) (10%)</li> <li>• Final Project ePortfolio (40%)</li> </ul>	70%	Marks (base 100) will be awarded for each of Term 1 to Term 3. The project for each term must be completed at the end of the term. Marks should be ready by the 2 <sup>nd</sup> week of the next following term and will be posted to the students for viewing.

**2. No ace points.**

**3. Mark allocation for the project work (40 – to be converted to 100 marks).**

Creativity / Aesthetics	10
Functionality / Technicality	10
Media Integration	10
Content / Reflection	10
Total	40