



Programming in HTML VPPHX Computer Programming and Web Development

**MODULE GUIDE (VENDOR)
2025
Semester 2**

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1 Module Information

Module name as on EMC	Programming in HTML	
Module code as on EMC	VPPHX	
Semester	2	
Lectures	Total: 64	Per week: 16hrs
Prescribed reading	OpenEDG's (edube) Web Dev Essentials 1 – HTML Essentials	
Recommended Reading	Websites: HTML Tutorial LeetCode HTML w3schools HTML Tutorial - GeeksforGeeks	

2 How Much Time Should I Be Spending on My Studies

You should invest time and effort into thoroughly understanding the content and developing practical skills. During teaching weeks, there are approximately 16 hours of dedicated teaching, and we encourage you to spend additional hours on independent study. This includes practising skills, reviewing content, reading, preparing for tests, and ultimately getting ready for your summative examination. Success in your external examination is something employers will value, and you are more likely to be successful in these examinations if you have invested the time and energy to be sure you are competent in the content and skills. Practice is the only way to do this.

Some students may need a little more and others a little less but if you are not spending at least 25 hours per week working independently you are placing your success at risk.

To complete a full-year load, you should be studying as if you are in full-time employment – between 40 and 45 hours a week during the semesters.

3 Module Purpose and Outcomes

PURPOSE:

The purpose of this module is to learn the HTML programming language to prepare you to write the WDE (Certified Entry-Level Web Developer) exam from Open EDG Institute.

The main goal of this module is to guide you from having no prior knowledge to a level where you can design, structure, and optimise web pages using HTML, the foundational language of the web. You will understand the basic concepts of web development technology.

This module will prepare you for jobs and careers related to web development. This includes creating web pages as a junior developer, as well as roles in web design and content management.

OUTCOMES

- *Learn the universal concepts of web development*
- *Understand the syntax and semantics of HTML5*
- *Practice skills in structuring and formatting web content*
- *Integrate multimedia elements and create basic web forms*
- *Implement web accessibility standards*
- *Optimise web content for various devices and screen sizes*
- *Build and deploy your own HTML web pages*

4 Planning and Pacing

	DATES	TOPICS/ UNITS AND CONTENT	MATERIAL
1	21/07 – 25/07	Module 1: Getting started with HTML <ul style="list-style-type: none"> • <i>Introduction to HTML</i> • <i>The Birth, Evolution, and Future of HTML</i> • <i>HTML Development Environment</i> • <i>Character Encoding</i> • <i>HTML Syntax</i> • <i>The Relationship Between HTML, CSS, and JS</i> 	Module 1: Getting Started with HTML
	28/07	Test 1 on all the work from Week 1 – Module 1	
2	28/07 – 01/08	Module 2: Formatting Text and Organising Data <ul style="list-style-type: none"> • <i>Headings</i> • <i>Paragraphs and Text Formatting</i> • <i>Lists</i> • <i>Tables</i> Module 3: Exploring Visual and Interactive Elements <ul style="list-style-type: none"> • <i>Images</i> • <i>Hyperlinks</i> • <i>Essentials of HTML Forms</i> • <i>Forms – Beyond the Basics</i> • <i>Building HTML Forms</i> 	Module 2: Formatting Text and Organizing Data Module 3: Exploring Visual and Interactive Elements
	04/08	Test 2 on all the work from Week 2 – Modules 2 and 3	
3	04/08 – 08/08	Module 4: Enhancing Web Presentation <ul style="list-style-type: none"> • <i>HTML Styling and Layout</i> 	Module 4:

	DATES	TOPICS/ UNITS AND CONTENT	MATERIAL
		<ul style="list-style-type: none"> • <i>Global Attributes</i> • <i>Event and Data Attributes</i> <p>Module 5: Building Optimised and Accessible Web Content</p> <ul style="list-style-type: none"> • <i>Semantic Markup</i> • <i>Accessibility</i> • <i>Best Practices</i> 	Enhancing Web Presentation Module 5: Building Optimized and Accessible Web Content
	11/08	Test 3 on all the work from Week 3 – Modules 4 and 5	
4	11/08 – 15/08	<p>Module 6: Exploring HTML Beyond Basics</p> <ul style="list-style-type: none"> • <i>Favicons</i> • <i>iFrames</i> • <i>HTML Entities and Emojis</i> • <i>Image Maps</i> • <i>HTML APIs</i> • <i>HTML Graphics</i> 	Module 6: Exploring HTML Beyond Basics
	15/08	Exam on all the work from all Modules	

5 Assessment Structure

5.1 External Certification

The purpose of this programme is to ensure you are sufficiently skilled to successfully write external certification exams. The NGI certificate of completion/ competence is a measure of the learning you do while you are with us, but the greatest value of this programme is you being ready to achieve external, international certification.

Some of these exam costs are built into your programme fee – please be sure to make use of the opportunity they provide. Other exams (or repeat attempts if you fail an exam) are available at a discounted price if you book them through us.

If you achieve 70% for your examination with us, you have a reasonably good chance of passing the external examination. Exams will be scheduled within specific date ranges, and NGI will ensure that vouchers are prepared and available for those dates. For optional exams, students can inform us when they are ready to write, and we will arrange to procure the voucher for them.

5.2 Important Information Related to Internal Assessment

The purpose of internal assessment is to enable you and NGI to monitor and support your progress towards the competency level required for the external examination and to give us the information required to provide you with an internal competency certificate to verify what you have learned. Full participation in the assessment is thus required.

You are always subject to the requirements of the Intellectual Integrity and Assessment Policies – please make sure that you are familiar with them. They are on myNGI.

You will be required to complete both formative (tests) and summative (exams) assessments. The dates for each are in the planner above – remember that tests and exams are written on the same date across all campuses.

5.3 Formative Assessments: Tests

For this module, you will write 3 formative assessments in the format of 3 Tests. These will normally be ongoing assessments during the module's classes, in line with the instructions set out in the module guide.

Your final academic record from us will not give any weighting to these formative assessments and will only reflect the mark you get for your internal summative examination.

Please note that if you do not average at least 60% for the formative assessments, you are very unlikely to pass the internal examination and will almost certainly not pass the external examination.

5.4 Internal Summative Examination

To pass the module for the purposes of your internal certification, a mark of 70% on your summative assessment is required. An internal summative exam will take place at the end of the module. You have a maximum of three opportunities to achieve competence at this level.

A student who fails to achieve 70% and above after all 3 attempts, will have to re-do the module or will not receive an internal record of competence in the module. We will also not issue vouchers for students who do not have the 70% - see below.

5.5 International Examination

For International exam costs built into your programme fees, a student will only receive a voucher once the student has shown competence by achieving 70% and above in their internal summative assessment. This is because you are not likely to pass the international examination as the internal examination is at a similar level and is in a similar structure.

You may purchase a voucher through us at our preferential pricing for modules that you have not achieved the 70% or where the cost of the international examination is not included.

5.6 Mark and Assessment Structure

As per the pacing table at the start of the Module Guide, you will do three tests (formative) and one examination for internal purposes. For your internal certification, we will calculate your mark as follows.

Mark structure	Units or topics covered	Marks	Period Weight
Test 1 28/07	Module 1	60	
Test 2 04/08	Modules 2 - 3	60	
Test 3 11/08	Modules 4 - 5	60	
Final Examination 15/08	Modules 1 - 5	120	100%

Remember that you need all the practice you can get if you are to succeed in the external examination.

5.7 Assessment Disputes and Appeals

The turnaround times for marking, the method by which you will receive your results and the ways in which you can appeal are all part of the Assessment Policy. It is up to you to know how this works. Ignorance is not a reason for not complying.

6 Technology You Will Need

Your module has a “home” on myNGI where additional material is stored and where you can access module guides.

Other technology you need access to toolkits, and computers.

This is available on campus in the specific laboratory.

7 Key Concepts

Here are some key terms and concepts that might be relevant to the WDE-40-01 exam:

Section 1: HTML Fundamentals

Section 2: Text Formatting and Structure

Section 3: Multimedia and Hyperlinks

Section 4: Forms and Styling

Section 5: Accessibility, Best Practices, and Modern HTML

8 Where to Get Help

Your first port of call is this guide and myNGI.

You should also feel free to reach out to your lecturer and your peers.

You are also entitled to engage with the Programme Coordinator on your campus or the Programme Manager nationally.

Reach out to Student Support by emailing the team to assist you with the following:

For general inquiries on academic processes, campus activities, your academic progress, or your well-being email studentsupport@ngi.ac.za.

MS Office and NGI student email address email ithelp@ngi.ac.za.

For myNGI inquiries email myngi@ngi.ac.za.

For inquiries related to your results email emc@ngi.ac.za.

For disputes, complaints, or appeals email appeals@ngi.ac.za.

Get assistance from an Information Specialist by emailing thebridge@ngi.ac.za.

Your success is our priority – let’s achieve it together.