# Module Outline

Semester: 04
From January: 2020 to May: 2020

# WEB DESIGN DCOMP204

## MODULE DETAILS

| | |
|---|---|
| Course Location | : Freetown |
| Department | : Faculty of Information & Communication Technology |
| Program Name | : B Sc (Hons) in |
| Semester | : 4 |
| Credits | : 3 |
| Status | : Core Subject |
| Contact hours | : 4 hours (2 hours lecture + 2 hours lab tutorial) |
| No. of weeks | : 14 teaching weeks + 1 Final examination week + 1 week Midterm Break |
| Teaching Pattern | : Lectures & Tutorials/ Laboratories |
| No. of assignments | : 2 |
| Module Leader' name | : Mr. Oluwatosin B. Ayorinde |

Prepared by : Oluwatosin

Signature : ..... Date .....

Verified by : Kamil

Signature : ..... Date .....

Approved by : AQA

Signature : ..... Date .....


This document comprises the following:

- Essential Information
- Specific Module Information
- Module Rules & Regulations
- Grades
- Plagiarism
- Module Introduction
- Module Aims & Objectives
- Learning Outcome
- Specific Generic Learning Skills
- Syllabus + Lecture Outline
- References
- Assessment Schedule
- Assessment Criteria
- Specific Criteria

Other documents as follows will be issued to you on an ongoing basis throughout the semester:

- Handouts for Assignments
- Submission Requirements + Guidelines

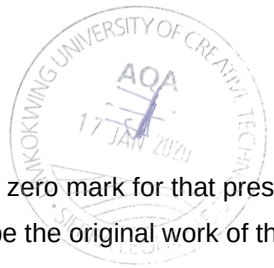
## 1.0 ESSENTIAL INFORMATION

- All modules other than electives are **'significant modules'**
- As an indicator of workload one credit carries and additional 2 hours of self study per week. For example, a module worth 3 credits require that the student spends an additional 6 hours per week, either reading, completing the assignment or doing self directed research for that module.
- Submission of ALL assignment work is compulsory in this module, in failure to do so; a DNS (Did not submit) grade will be awarded. An overall grade of DNC(Did not complete)will be awarded

for those who fail to submit a major piece of assessment work(major assignment) or sit for either the midterm examination or final examination. A student cannot pass this module without having to submit ALL assignment work by the due date or an approved extension of that date.

- All assignments are to be handed on time on the due date. Students will be penalised 10 percent for the first day and 5 percent per day thereafter for late submission (a weekend or a public holiday counts as one day). Late submission, after the date Board of Studies meeting will not be accepted.
- Due dates, compulsory assignment requirements and submission requirements may only be altered with the consent of the majority of students enrolled in this module at the beginning/early in the program.
- Extensions of time for submission of assignment work may be granted if the application for extension is accompanied by a medical certificate.
- Overseas travel is not an acceptable reason for seeking a change in the examination schedule.
- Only the Head of School can grant approval for extension of submission beyond the assignment deadline.
- Re-submission of work can only receive a 50% maximum pass rate.
- Supplementary exams can only be granted if the level of work is satisfactory **AND** the semester work has been completed.
- Harvard referencing and plagiarism policy will apply on all written assignments.

## 2.0 SPECIFIC MODULE INFORMATION



- Attendance rate of 80% is mandatory for passing module.
- All grades are subject to attendance and participation.
- Absenteeism at any scheduled presentations will result in zero mark for that presentation.
- Visual presentation work in drawn and model form must be the original work of the student.
- The attached semester program is subject to change at short notice.

## 3.0 MODULE RULES AND REGULATIONS:

**Assessment procedure:**

- These rules and regulations are to be read in conjunction with the UNIT AIMS AND OBJECTIVES
- All assignments/projects must be completed and presented for marking by the due date.
- Marks will be deducted for late work and invalid reasons.
- All assignments must be delivered by the student in person to the lecturer concerned. No other lecturer is allowed to accept students' assignments.
- All tests/examinations are compulsory.
- Students must sit the test/examination on the notified date.
- Students are expected to familiarize themselves with the test/examination timetable.
- Students who miss a test/examination will not be allowed to pass.
- Any scheduling of tutorials, both during or after lecture hours, is TOTALLY the responsibility of each student. Appointments are to be proposed, arranged, confirmed, and kept, by each student. Failure to do so in a professional manner may result in penalty of grades. Tutorials WITHOUT appointments will also NOT be entertained.

- Note that every assignment is given an ample time frame for completion. This, together with advanced information pertaining deadlines gives you NO EXCUSE not to submit assignments on time

## 4.0 GRADES

All modules and assessable projects will be graded according to the following system. With respect to those units that are designated 'Approved for Pass/Fail' the grade will be either PA or F:

| *Grade* | *Numeric Grade* | *Description* |
|---|---|---|
| 90 – 100 | A+ | |
| 85 – 89 | A | Pass with Distinction |
| 80 – 84 | A- | |
| 75 – 79 | B+ | |
| 74 – 70 | B | Pass with Credit |
| 65 – 69 | B- | |
| 60 – 64 | C+ | |
| 55 – 59 | C | Pass |
| 50 – 54 | C-, PX, PC | |
| 0 – 49 | F | Fail |


| | |
|---|---|
| EXP | Exempted |
| PC | Pass Conceded |
| PP | Pass Provisional with extra work needed |
| PX | Pass after extra work is given and passed |
| X | Ineligible for assessment due to unsatisfactory attendance |
| D | Deferred |
| W | Withdraw |
| DNA | Did Not Attend Module |
| DNC | Did Not Complete Module |

## 5.0 PLAGIARISM, COPYRIGHT, PATENTS, OWNERSHIP OF WORK: STUDENT MAJOR PROJECT, THESES & WORKS

See LIMKOKWING, HIGH FLYERS HANDOUT, pg 10.

## 6.0 MODULE INTRODUCTION

In order to understand the capabilities of the Web and to evaluate trends and products, this course first give a little history; of both the technology and the industry. Then this course gives a thorough understanding of HTML, enabling you to evaluate the various tools as they relate to your

organization's requirements. Style sheets are changing the way Web sites are created and maintained. This important feature will be covered throughout the course.

### 7.0 MODULE AIMS AND OBJECTIVES

- To provide thorough understanding of the fundamentals of developing interactive content for the World Wide Web
- To enable the student to carry out Web design responsibilities at a professional level
- To explain on how to interact with a Web page for any programming task

### 8.0 LEARNING OUTCOME

Students will acquire the abilities to:

- Describe the two main graphic formats used on the Web, particularly the tradeoffs related to compression techniques,
- Develop a basic set of HTML terminology, techniques, and "tags" as they practice skills that will allow them to create and publish original Web pages for a variety of uses.
- Construct Web pages with text and Web editors.
- Analyze design strengths and weaknesses in notable
- Use images creatively while minimizing download times
- Explain the ways they can be used to improve a site in terms of performance and usability

### 9.0 SPECIFIC GENERIC LEARNING SKILLS

At the end of the module, students are expected to acquire the following skills:

- To explain how to improve a site in terms of performance and usability
- To explain the fundamentals of developing interactive content for the World Wide Web
- To develop a web site at a professional level

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## 10.0 UNIT SYLLABUS + LECTURE OUTLINE:

Week: 1
**LECTURE 1: INTRODUCTION TO THE WEB**
*Lecture Synopsis:*

*1.1. What is Internet?*
*1.2. What is World Wide Web?*
*1.3. The History of WWW*
*1.4. What is a website?*
*1.5. Organising a Website*
*1.6. Quiz*

*Handout: Notes*


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Week: 2
**LECTURE 2: CREATING PAGES WITH HTML?**
*Lecture Synopsis:*

*2.1. HTML Syntax*
*2.2. HTML Essential and Common Tags*

*2.3. Special Symbols*
*2.4. File Names*
*2.5. URLs*

*Handout: Notes, minor assignment*
*Major Assignment*

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Week: 3
**LECTURE 3: FORMATTING TEXT**
*Lecture Synopsis:*

*3.1 Title*
*3.2 Headings*
*3.3 Block Formatting*
*3.4 Normal Paragraph Style*
*3.5 Line Break*
*3.6 Centering Text*
*3.7 Tab and Spaces*
*3.8 Character Formatting*
*3.9 Fonts*
*3.10 Horizontal Rule Line*
*3.11 Numbered List*
*3.12 Bulleted List*
*3.13 Creating a Navigation Menu*

*Handout: Notes, tutorial 1*

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Week: 4
**LECTURE 4: COLOR THEORY AND CREATING LINKS**
*Lecture Synopsis:*

*4.1 Background Colour*
*4.2 Tiled-Image Background*
*4.3 Text Colour*
*4.4 Links Colour*
*4.5 Changing the Colour of Links*
*4.6 Creating a Link to Another Web Page*
*4.7 Linking Local Documents Using Relative Path Names*
*4.8 Linking Local Documents Using Relative Path Names*
*4.9 Remote Links*
*4.10 Creating Anchors*
*4.11 Targeting Links to Specific Windows*
*4.12 Setting the Defaults Targets*


*Handout: Notes, tutorial 2*
*Submission of minor assignment*
*Major Assignment*

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Week: 5
**LECTURE 5: GRAPHICS AND MULTIMEDIA FILES**
*Lecture Synopsis:*

*5.1 Introduction to web graphic*
*5.2 Image Formats*
*5.2.1 Image Interlacing and Transparent background*
*5.3 Inline images in HTML*
*5.4 Text and Image Alignment*

*5.5 Using Images to Label Links*
*5.6 Image Borders*
*5.7 Wrapping text next to image*
*5.8 Multimedia on the web*

*Handout: Notes*
*Exercise 1*

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Week: 6
**LECTURE 6: WEB PAGES WITH STYLE SHEETS**
*Lecture Synopsis:*
*6.1 Introduction to Cascading Style Sheets*
*- anatomy of a style*
*- applying styles*
*6.2 Box Model in CSS*
*6.3 The role of ID and Class in CSS*
*6.4 Page Layout Techniques*

*Handout: Notes*

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Week: 7
**MID TERM EXAMINATION**

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Week: 8
**MID SEMESTER BREAK**

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Week : 9
**LECTURE 7: CREATING TABLES**

*7.1 Creating table in HTML*
*7.2 The table tag*
*7.3 Caption*
*7.4 Rows and cells*
*7.5 Column widths*
*7.6 Cell alignment*
*7.7 Table width*
*7.8 Border Width*
*7.9 Cell Padding*
*7.10 Cell Spacing*
*7.11 Spanning a Cell across Columns*
*7.12 Spanning a Cell across Rows*

*Handout: Notes*
*tutorial 3*

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Week: 10
**LECTURE 8: SCRIPT/JAVASCRIPT**
8.1 *Client-side vs Server side scripting*
*8.2 Variables*
*8.3 Data types*
*8.4 Condition*
*8.5 Query Selectors*
*8.6 JavaScript Functions*
*8.7 Using JavaScript to show an Alert*

*Handout: notes, tutorial 4*

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Week: 11
**LECTURE 9: CREATING WEB FORMS**

*Creating a Form*
*9.2 Sending Form Data via Email*
*9.3 Using a Form Hosing Service*
*9.4 Creating Text Boxes*
*9.5 Creating Password Boxes*
*9.6 Creating Larger Text Areas*
*9.7 Creating Radio Buttons*
*9.8 Creating Checkboxes*
*9.9 Creating Menus*
*9.10 Creating the Submit Button*
*9.11 Resetting the Form*
*9.12 Organizing the Form Elements*
*9.13 Formally Labeling Form Parts*

*Handout: Notes. Tutorial 5*

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Week: 12 & 13
**REVISON & SUBMISSION OF MAJOR ASSIGNMENT**

*Revision and major assignment submission*


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Week: 14
**REVISON**

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Week: 15
**FINAL EXAMINATION WEEK**

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Week: 16
**FINAL EXAMINATION WEEK**

## 11.0 REFERENCES

Gary B. Shelly, Thomas J. Cashman, Denise M. Woods, *HTML*: Complete Concepts And Techniques, Thomson Course Technology, 2006

Deidre Hayes, Sams Teach Yourself HTML in 10 Minutes, 4/E, Sams Publishing, 2006

Elizabeth Castro, Creating A Web Page with HTML, Peachpit Press, 2005

Chuck Musciano, Bill Kennedy, HTML & XHTML: The Definitive Guide, O'Reilly Publishing, 2006

## 12.0 ASSESSMENT SCHEDULE

| Assignment description | issue date | due date | % |
|---|---|---|---|
| ASSIGNMENT 1 **(Minor)** | Week 2 | Week 4 | 10% |
| LAB EXERCISE | Week 5 | Week 5 | 10% |
| MIDTERM CLASS TEST | week 7 | week 7 | 20% |
| GROUP ASSIGNMENT **(Major)** | week 7 | week 12 | 25% |
| ATTENDANCE 2 | Week 1 | Week 13 | 5% |
| FINAL EXAMINATION | week 15 &16 | week 15 &16 | 30% |
| **TOTAL** | | | **100%** |

## 13.0 ASSESSMENT CRITERIA

Process of grading and criteria used to determine the grades, passes and high distinctions.

## 15.0 SPECIFIC CRITERIA

- Each assignment will be handed out with the project brief and will vary, depending on the teaching and learning objectives of the specific assignment.
- Each student will receive a completed assessment sheet back with their marks, thereby giving student feedback on each set criterion and the project as a whole.
- Marks for each project will be posted on the Bulletin Board with student number within 2 weeks of hand-in date