UNIVERSITY OF EDUCATION, WINNEBA

FACULTY OF SCIENCE EDUCATION
DEPARTMENT OF ICT EDUCATION
End of Second Semester Examination, 2024/2025
Course Code & Title: ICTW 364 – Online Courseware Design & Development
Final Project Design and Presentation
Time: 1 Week
INSTRUCTIONS:

- This is a Final Project work on Online Course Website Development.
- Duration for this Project is 2 week.
- Save the **phase 1** of your project as a PDF file with your index number_phase 1(e.g. 5231570001_Phase 1) and submit it on the day of presentation of the course website created using MOODLE (Check the end-of-semester examination time table for the exact date and time).
- Select any class from Primary to Tertiary and any course for this project.
- **For the Phase 1** – submit a maximum of 1 page write up, answering the various questions being asked.
- **For the Phase 2** – using the course manual from Assignment 3. The course manual that you design will be your building block for the course website design and development.

Detailed Instructions:

1. Remember course website is NOT just a container for course content materials. A proper web-based courseware is built from a detailed course manual. We use the weekly forecast or schedule to create the related webpages of the course website.

   The process of creating an effective course website or online courseware consists of four seamless phases: Planning, Organizing, Designing and Developing phases

   Planning
   Know your target audience. Who are you design and developing the course for? What is the background in terms of their online readiness skills and knowledge, the diversity of learning styles and needs, the conduciveness of the learning environment, access to various support and course resources required. In addition, you have to think through the instructional strategies in alignment with the learning objectives or outcomes. Remember to predetermine the relevant assessment regimes and course activities that promote collaborative and engaged learning opportunities that are in alignment with the learning outcome.

   Organizing
   Now pick the course materials and chunk them into manageable related units as scheduled in your course manual. The sequencing of these chunks is next, and these should be done with learning outcomes and activities and course assessment regime.

   Designing
   Website layout, background, navigation and icons to be used consistently, font type, size and colour

chose to be in clear contrasts with the background and used consistently throughout the pages. Think about learners with special needs at this stage with alternative design and inclusion of appropriate multimedia to enhance their access to course material.

Developing

This is the phase where we put everything discussed in the preliminary phases. Decide what web authoring application to use to develop the website. In the case of our course project, we are using **MOODLE**. Pull up your course manual and check to be sure the course description and weekly schedule are appropriately covered in the planning and organizing phases. Decide if your webpages are weekly or topical lessons. Next pull up the learning pathway word document and follow to develop the webpages of the website, following chunked units and activities as well as the learning materials associated with weekly lessons and assessment regimes. You would normally begin with week 0 or topic 0, where the relevant invariant information is captured or presented. Do a warm welcome introduction to the course, indicating the relevance of the course, learning outcomes, student roles and responsibilities, instructor roles and responsibilities, sources of academic and technical support services, a brief chat to introduce the class participants and instructor, do a link to the detailed course manual placed in one of subfolders within the site. Be interactive in the presentations of course materials and activities, always linking them with the learning outcomes.

Developing the subsequent lessons or pages is relatively easy. Follow the organization phase and the learning pathway to do the rest. Remember to give credit to all sources of information and course materials used, including multimedia stuff.

Testing/Evaluation & Finalizing

Try your site with different web browsers and make sure the site works. Check link rots and fix them before you frustrate your learners. Finally, use the online courseware evaluation checklist to make sure your website meets the required standards. A project rubric is also included in the course folder we gave you at the beginning of the semester.

2. **Sources of information:**
   a. Lecture presentations
   b. The many online courseware textbooks given in course folder
   c. Other lecture materials in the course folder
   d. Other relevant materials found on the internet

3. You may use Chat GPT for the conduct of ethical and professional research. Any abuse of the use of any AI Apps will be severely punished by cancelling your work and reporting you for the necessary disciplinary actions. Any form of plagiarism will not be tolerated at all.

Project Instructions:

You realize that your institution recently installed a Course Management System (CMS) and that your students' access to the Internet has improved following a recent upgrade of the Internet and Intranet Connectivity in your institution. This has certainly enriched your institution's learning environment to a status of high-tech that can support entirely online course delivery. Your institution's Management has directed that every faculty should deliver at least one **course** online. In this assignment you are required to convert one of your face-to-face **courses** to an entirely online version

Phase 1: Project Proposal

   (a) Assess your student audience needs and background, including class size and the technology competencies and support required by you and your students
   (b) Outline how you will create an effective online manual for this course
      (i)   How would you deliver your instruction?
      (ii)   How would you create your virtual classroom?

(iii)   How would you manage your virtual classroom?

(iv)   How would you use web-based resources in your instruction?

(v)   How would you assess your student learning outcomes?

Phase 2: Project Implementation

(c) Using parts (a) and (b) above, design and create an online course manual using a template given in the course material folder.

(d) Based on your course manual, use a **MOODLE** to create a course web site for this course,

(e) At least 3 of the resources should be designed by you using any multimedia authoring tool you are conversant with. Additional resources from online can either be embedded or hyperlinked as external resources.

(f) Your course website should have at least 8 sections grouped either weekly or topically.

(g) Your course website can have multiple activities to promote student-centeredness, but at least 1 quiz, 1 forum discussion, and 1 assignment.

Rubric for Final Project Presentation

60 marks possible

Full Name:.. **Index Nunber.:**…………………………………….…

Scores					
Phase One – 20 Marks					
Dressing for the presentation********	10	8	6	4	2
How would you deliver your instruction?			2	1	0
How would you create your virtual classroom?			2	1	0
How would you manage your virtual classroom?			2	1	0
How would you use web-based resources in your instruction?			2	1	0
How would you assess your student learning outcomes?			2	1	0
Phase Two					
Planning Stage					
the target audience clearly identified			2	1	0
A clear course code and title, and a short description is provided			2	1	0
included a navigation page to assist audience so that users of the site can locate resources easily			2	1	0
Organizing Stage					
Relevant and useful Content used		3	2	1	0

Criteria					
Chunk information to reduce the cognitive load of your audience; white space judiciously between paragraphs to improve readability of your pages			2	1	0
Sequencing of chunked materials properly done			2	1	0
Designing Stage					
a suitable background that must match the text font color/size, images was used			2	1	0
Text, graphics/images, sound, animation, and video information are appropriately used in your site.				2	1
descriptive, attractive title; helpful headings and subheadings appropriately used to structure the content are given			2	1	0
consistency: all pages have identical page layout, background, navigation elements, site title and logo, navigation pane, credit/copyright				2	1
Developing Stage					
Welcome introduction to the course, indicating the relevance of the course				2	0
Learning outcomes of each lesson clearly stated: it should be present, specific, measurable and achievable.				2	0
Student roles and responsibilities, teacher roles and responsibilities clearly stated				2	0
Sources of academic and technical support service available on website				2	0
A link to detailed course manual				2	0
lessons/content include quizzes, activities, and opportunities for your audience to input information while interacting with the site			3	2	1
Activities are pitched at the appropriate level of the course. Activities cover different cognitive and practical skills (where indicated) in line with the course outcomes			2	1	0
Intellectual properties and copyright issues are well taken care of in this course.			2	1	0
The learning and teaching or pedagogical approach guides the use of technology			2	1	0