

Developing Open Educational Resources Using WordPress

Mariam Hussien & Farah Sharawy



01

Warm Up

02

The Challenge: Creating CLT's OER platform

03

The Design Process: Understanding the needs

04

The Technical Process: How to use Wordpress to create OERs

05

Wrap Up

Warm Up



Can you build a house from the 7 tangram shapes?

1. Go to mathigon.org/tangram. The link is on the handout p.2
2. Click on the house shape at the bottom
3. Distribute the shapes then start building your house





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**How was the
process of creating
something
meaningful out of
scattered
materials?**





The Challenge

02

Archive

Volume 15

Issue Ten: New Chalk Talk Special Illustrated Edition

Mahmoud Shaltout Ph.D., visiting assistant professor, Core Curriculum

In April 2017, Center for Learning and Teaching, in collaboration with the Center for Transforming Undergraduate Education at the University of Delaware, ran AUC's first Problem-based Learning (PBL) Institute. This institute was attended by over 20 faculty members from across the schools, breaking down the disciplinary divides and bringing innovative faculty together to explore how PBL can best be implemented in AUC classrooms. [Read more](#)

Issue Ten Supplement: Fall 2017 Faculty Development Institutes and Workshops

Issue Nine: Challenging Faculty Assumptions about Content When Adopting Problem-based Learning

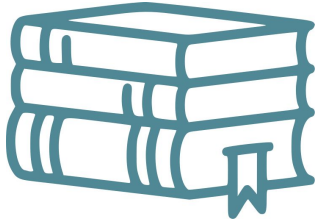
Mark A. Serva, Ph.D., University of Delaware

Problem-based learning (PBL), as well as other inquiry-based pedagogies, enhances student learning by engaging students in the learning process. Students engaging in PBL solve problems, think analytically, and work with ambiguous information. Research consistently demonstrates the effectiveness of PBL (as well as the ineffectiveness of more passive approaches, such as a lecture. [Read more](#)

Issue Eight: What is Integrative Learning and Why Does it Matter? An Integrative Learning Ecology

Carol Clark (ELI), Ghada Elshimi (RHET), Doris Jones (RHET), Tamer Shoeib





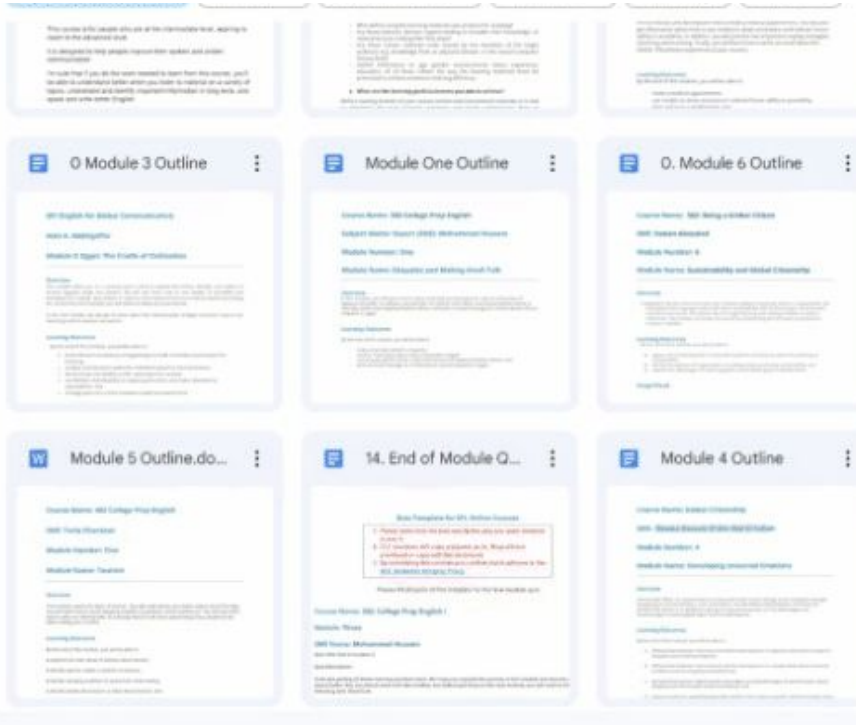
20 Volumes with
190+ issues



by **70+** faculty
authors



Pdf format



Digital Literacies Toolkit

How can we convert this static content into an interactive and engaging platform?



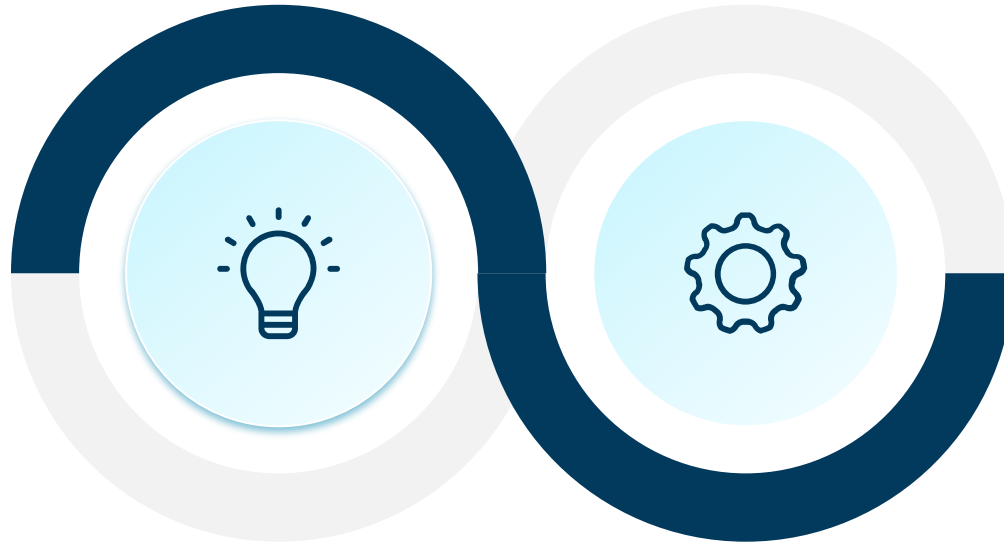
Explore

- Explore learnhub.aucegypt.edu/cltnewsletter
learnhub.aucegypt.edu/digitaltoolkit
- What do you think of the user experience?
- What value does it add to convert the material to an interactive site?

Handout p.3



The Technical Process



The Design Process

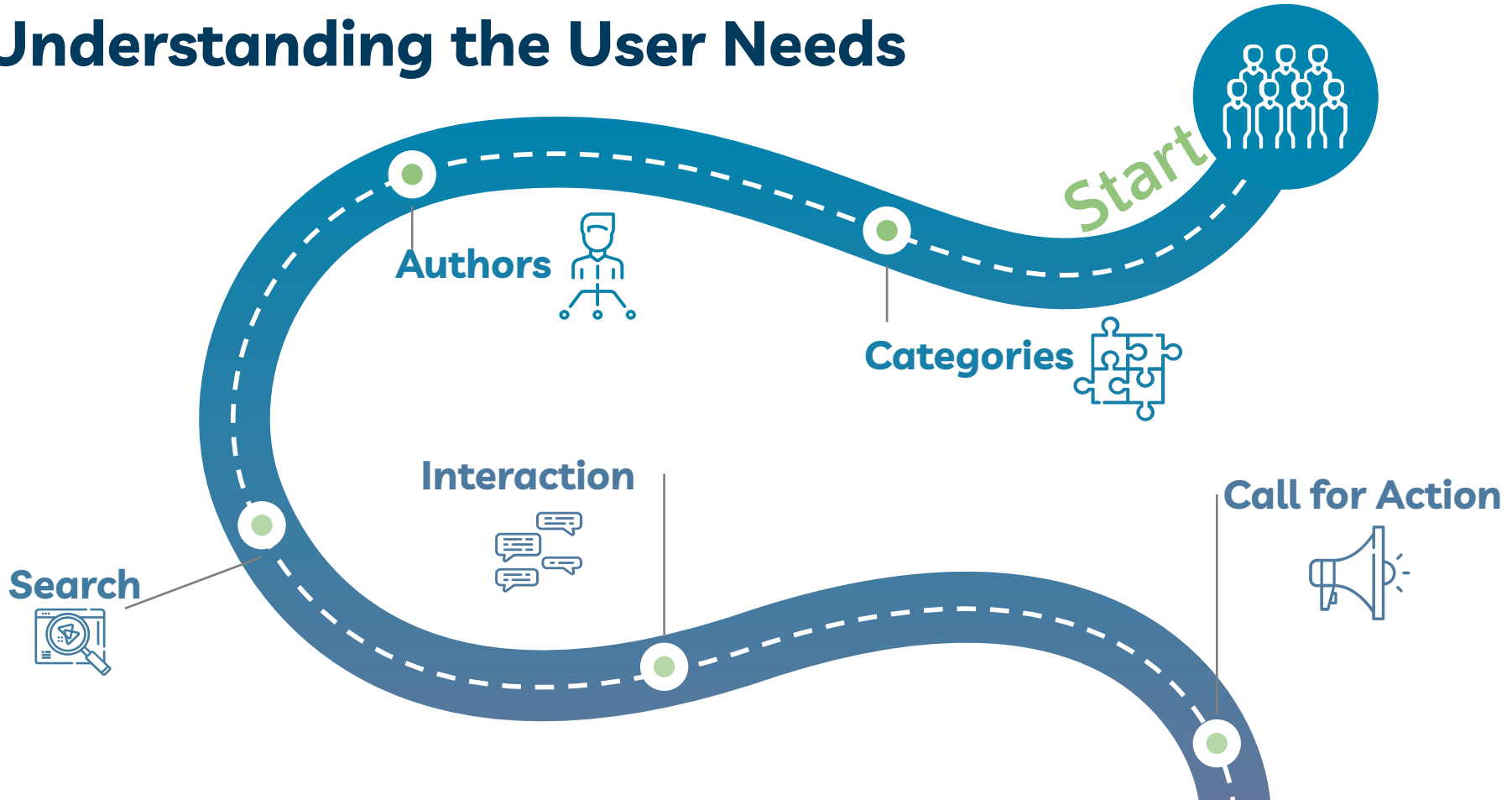
**FUTURE
PROJECTS**

The Design Process



03

Understanding the User Needs



Understanding the User Needs

Experience

- Everything the user need is in the home page
- Easy and meaningful Navigation
- Consistent

Design

- Clean and Simple
- Consistent
- Color palettes and color contrast
- Accessible

Technical Aspects

- Fast Loading
- Mobile friendly

Principles of Good User Experience



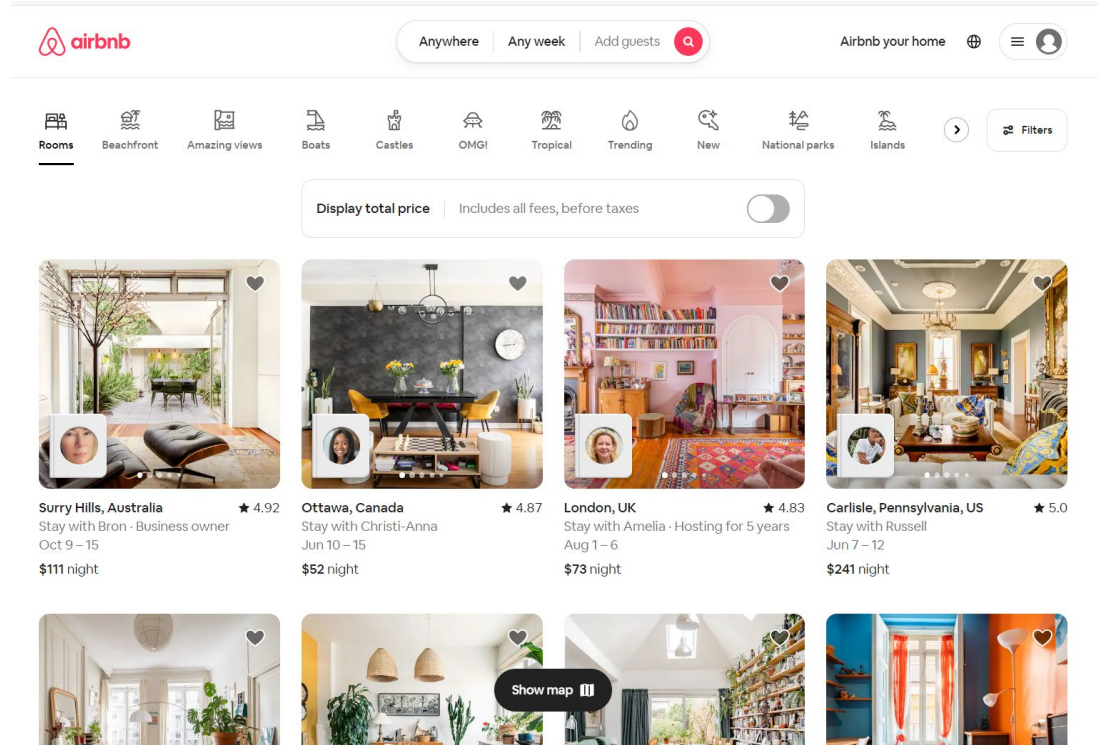
Clean and Simple



Easy Navigation



Consistency



Principles of Good User Experience



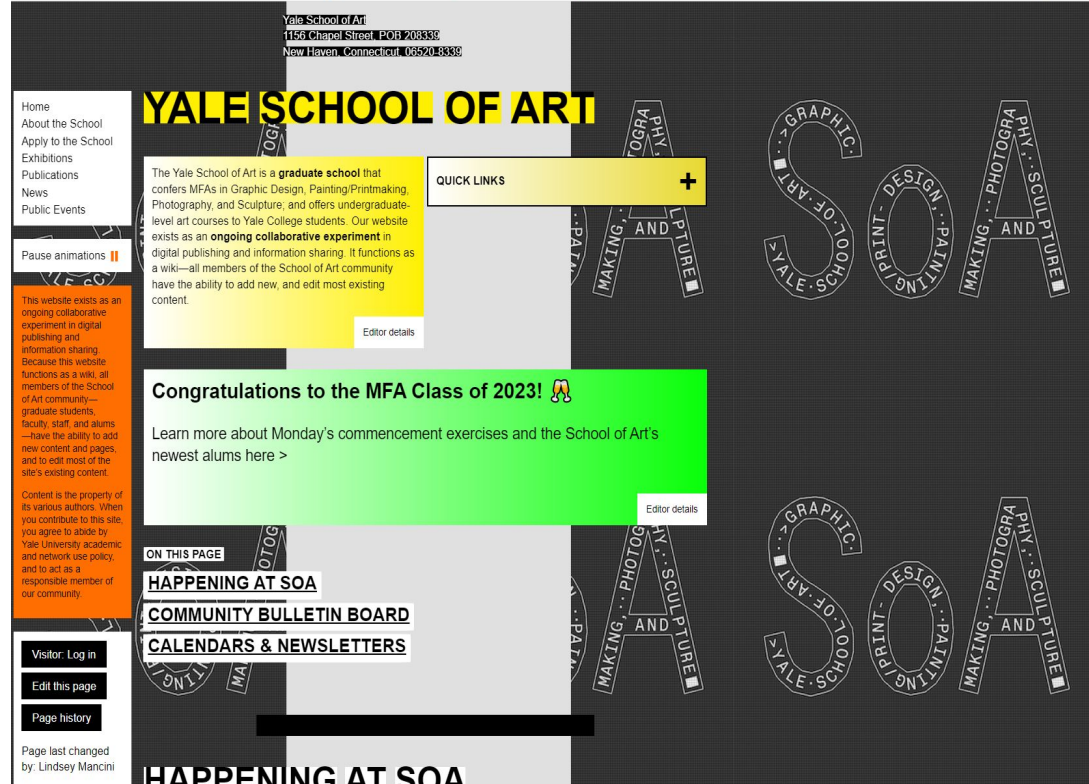
Color Palette



Fonts



Consistency



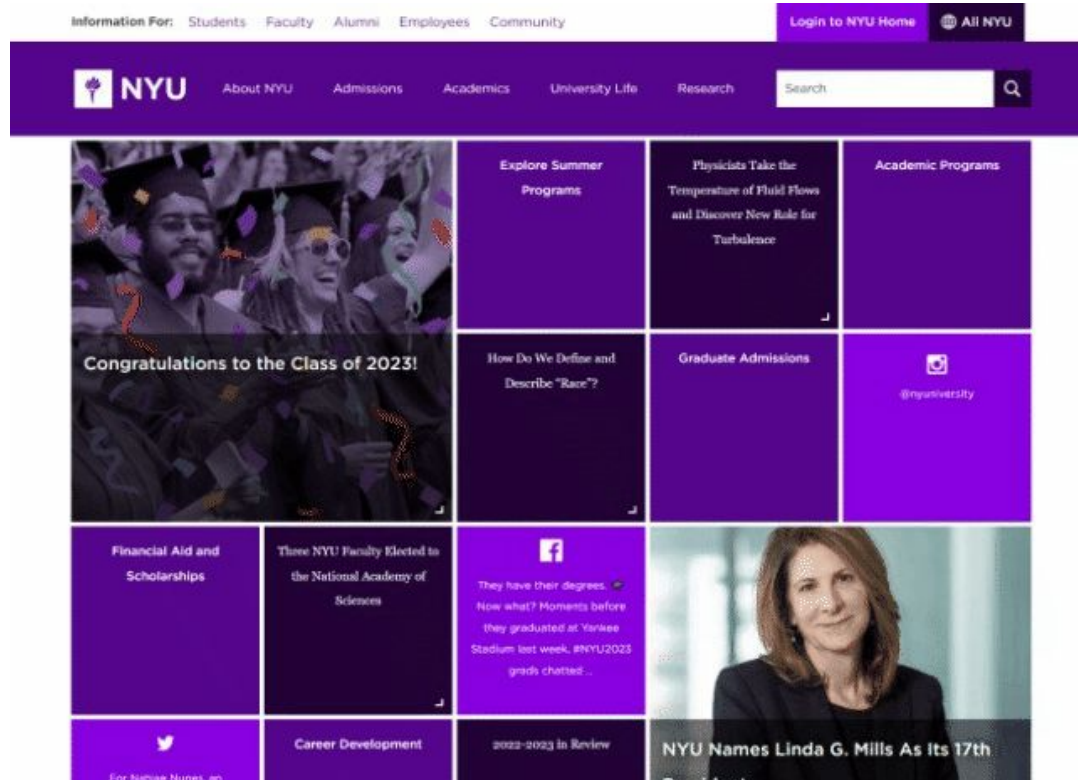
Principles of Good Website Design



Color Palette



Consistency



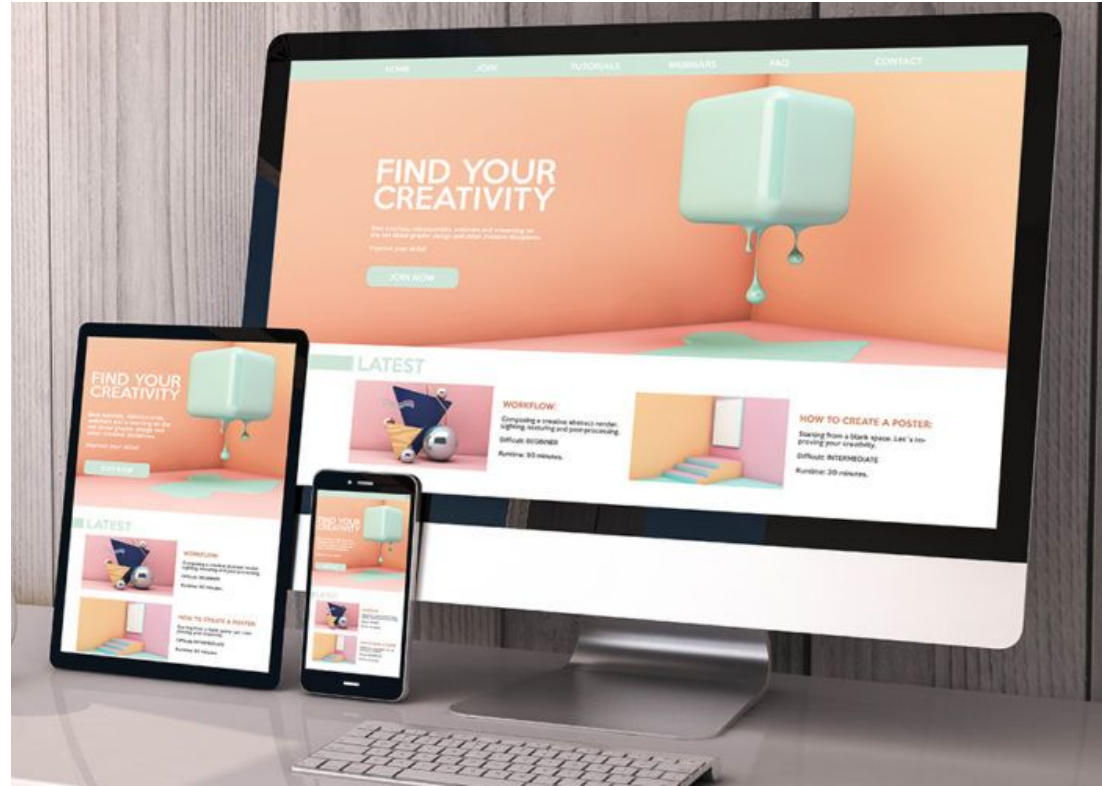
Principles of Good User Experience



Responsive



Fast loading



Exercise

- Evaluate existing OERs for their user experience, design.
 - www.ted.com
 - act.mit.edu/cavs

Handout p.4

- How easy to navigate and find what do you need?
- Is the design simple and clean?
- What do you think of the colors used?



The Technical Process



What are the components of Wordpress ?



What are the components of Wordpress?

Pages

Categories ▾ Volumes ▾ Authors Contribute CLT Homepage 🔍

Menu →

Categories →

Posts {

Theme

The screenshot displays a WordPress website layout. At the top, there is a navigation bar with 'Categories', 'Volumes', 'Authors', 'Contribute', and 'CLT Homepage'. Below this is a secondary menu with items like 'All', 'Academic Integrity', 'Active Learning', 'Assessment', 'Design Thinking', 'Digital Education', 'Events', 'Global Learning', 'Pedagogy', and 'Report'. The main content area features a grid of six posts. Each post includes a featured image, a title, a category tag (e.g., 'DIGITAL EDUCATION', 'ACTIVE LEARNING'), and a date. Annotations on the left side of the image point to various elements: 'Menu' points to the top navigation bar; 'Categories' points to the secondary menu; 'Posts' points to the grid of posts; and 'Theme' points to the overall layout and styling.

All Academic Integrity Active Learning Assessment Design Thinking Digital Education Events
Global Learning Pedagogy Report

How AUC Faculty Are Addressing AI in Their Teaching Spring 2023
DIGITAL EDUCATION PEDAGOGY VOLUME 20
March 14, 2023

Organic Chemistry is FUN! Says the Active Learning Classroom (ALC)
ACTIVE LEARNING VOLUME 20
February 26, 2023

How Does AI Impact Learning? University Education as Mindbuilding
ASSESSMENT DIGITAL EDUCATION VOLUME 19 VOLUME 20
February 14, 2023

It's the "Active Learning," Dummy! From Active Teaching to Active Learning
ACTIVE LEARNING VOLUME 20
October 11, 2022

I Am Not in America: Adapting My Teaching at AUC
PEDAGOGY VOLUME 20
October 11, 2022

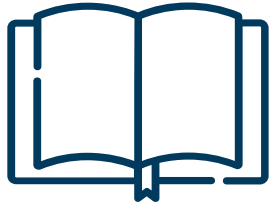
An Important Announcement regarding turnitin
ACADEMIC INTEGRITY VOLUME 20
September 27, 2022

Create an OER with Wordpress



We want to create an OER website on **Wordpress** about Artificial Intelligence in Higher Education. So, we have, **book descriptions, youtube videos, and podcasts** that address AI in two disciplines; **social sciences and engineering**.

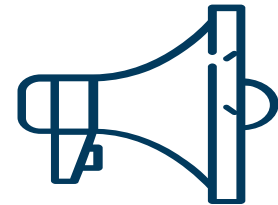
Check the content on the handout p. 5 -8



2 Books



2 Videos



2 Audios

Admin page

Sitename/wp-admin

The screenshot shows the WordPress admin dashboard for the site 'farahamical'. The browser address bar indicates the URL 'farahamical.local/wp-admin/'. The dashboard is organized into several sections:

- Site Health Status:** A message stating 'No information yet...' and explaining that site health checks will run periodically. It includes a link to 'visit the Site Health screen'.
- At a Glance:** A summary section showing '2 Posts', '1 Page', and '1 Comment'. It also notes 'WordPress 6.2 running Twenty Twenty-One theme.'
- Activity:** A section for 'Recently Published' posts, listing two entries: 'Test' published at 7:20 am and 'Hello world!' published at 7:16 am.
- Recent Comments:** A section showing a comment from 'A WordPress Commenter' on the 'Hello world!' post, with a brief instruction on how to moderate comments.
- Quick Draft:** A form for creating a new draft, with fields for 'Title' and 'Content' (containing the placeholder text 'What's on your mind?'). A 'Save Draft' button is visible.
- WordPress Events and News:** A section for finding nearby events, with a 'Select location' button and a text input field containing 'Cincinnati'. Below this, there are two 'RSS Error' messages: 'WP HTTP Error: A valid URL was not provided.'

The left sidebar contains navigation links for various dashboard features: Home, Updates, Posts, Media, Pages, Comments, Appearance, Plugins, Users, Tools, Settings, and a Collapse menu button.

Steps



1. Choose a theme



2. Create pages and posts under their categories



3. Create menus



4. Create plugins

1. Choose a Theme

Appearance -> Themes > add

- Fits your needs
- Simple

Dashboard

Posts

Media

Pages

Comments

Elementor

Templates

Appearance

Themes 2

Customize

Widgets

Menus

Header

Background

Add Themes [Upload Theme](#)

5562 Popular Latest Block Themes Favorites [Feature Filter](#)

[Apply Filters](#)

Subject

- Blog
- E-Commerce
- Education
- Entertainment
- Food & Drink
- Holiday
- News
- Photography

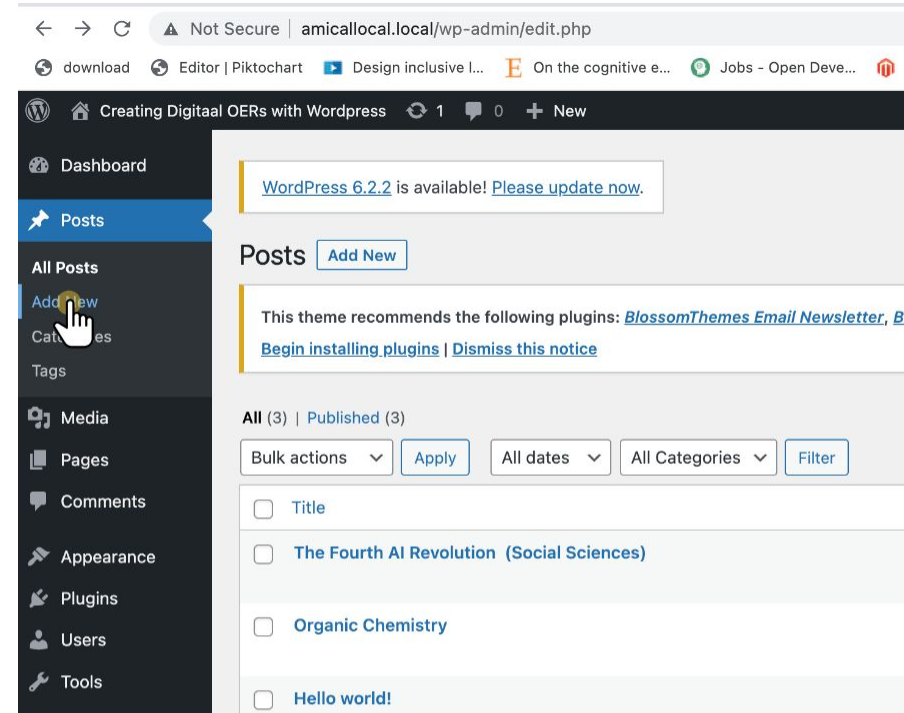
Features

- Accessibility Rea
- Block Editor Patter
- Block Editor Style
- Custom Backgrou
- Custom Colors
- Custom Header
- Custom Logo
- Editor Style

2. Add a Post

Posts-> add new post

- Different types of content
- In your post use + to add content
- Categorize your post



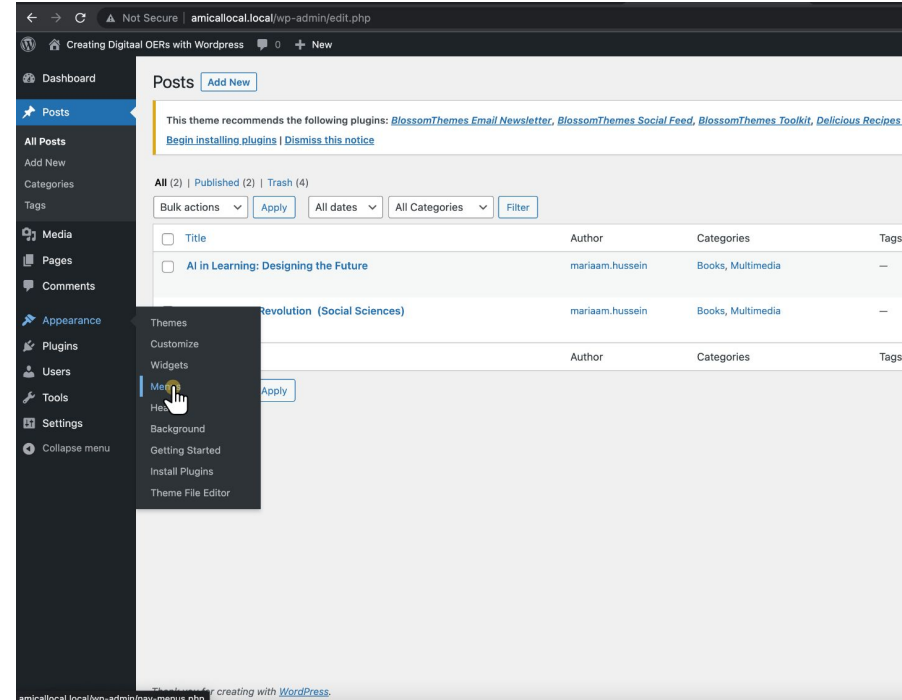
The screenshot shows the WordPress admin interface. The browser address bar indicates the URL is `amicallocal.local/wp-admin/edit.php`. The dashboard title is "Creating Digital OERs with Wordpress". The left sidebar menu is visible, with "Posts" selected and highlighted in blue. Under "All Posts", the "Add New" option is highlighted with a mouse cursor. The main content area shows a notification for "WordPress 6.2.2 is available! Please update now." Below this, there is a "Posts" section with an "Add New" button. A recommendation notice for plugins is also present. At the bottom, there is a list of posts with checkboxes for selection. The posts listed are:

- Title
- The Fourth AI Revolution (Social Sciences)**
- Organic Chemistry**
- Hello world!**

3. Add a Menu

Appearance-> Menu

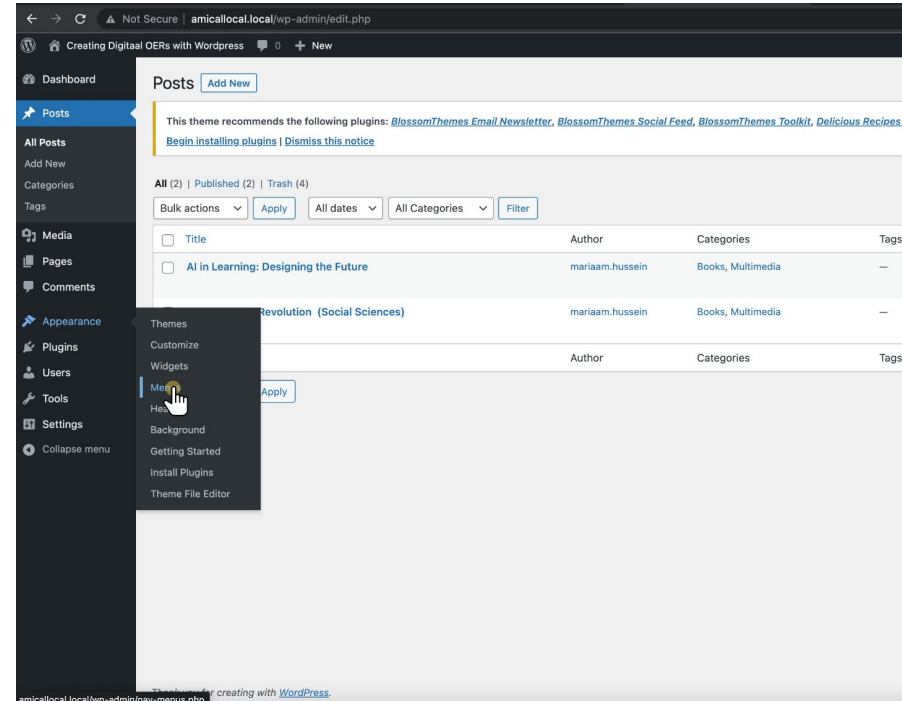
- Click on create menu
- Name your menu
- Select items you want to add to the menu



4. Add a Plugin

Plugins > Add New

- Click on plugins
- Add new plugins
- Browse the different plugins



The screenshot shows the WordPress admin interface. The left sidebar contains a menu with 'Media' highlighted. A dropdown menu is open from 'Media', listing various options. The main content area shows the 'Posts' page with a table of posts. The table has columns for 'Title', 'Author', 'Categories', and 'Tags'. One post is visible: 'AI in Learning: Designing the Future' by 'mariaam.hussein' in the 'Books, Multimedia' category.

Title	Author	Categories	Tags
AI in Learning: Designing the Future	mariaam.hussein	Books, Multimedia	—



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AMICAL 2023

Browse your website

Why Wordpress for OER?



weebly



Blogger



wix

Why Wordpress?

Ease of use



Themes



Community



Plugins



The price





Simple but limited

- Site hosted by Wordpress
- Limited in themes and customization
- No plugins in the free version
- Has ads
- Automated maintenance

Full features, but less simple

- Site self hosted
- Full customization
- All plugins allowed
- No ads
- Manual maintenance

Wrap Up



Share your thoughts on creating OERs using Wordpress.

- What excites you?
- What worries you?
- What do you still need to know?

Handout p.21



**We will be happy to hear from you
if you want to discuss anything in
your wordpress project**

- mariam.hussein@aucegypt.edu
- farah.sharawy@aucegypt.edu

Your feedback matters



Fonts & colors used

This presentation has been made using the following fonts:

Livvic

(<https://fonts.google.com/specimen/Livvic>)

Catamaran

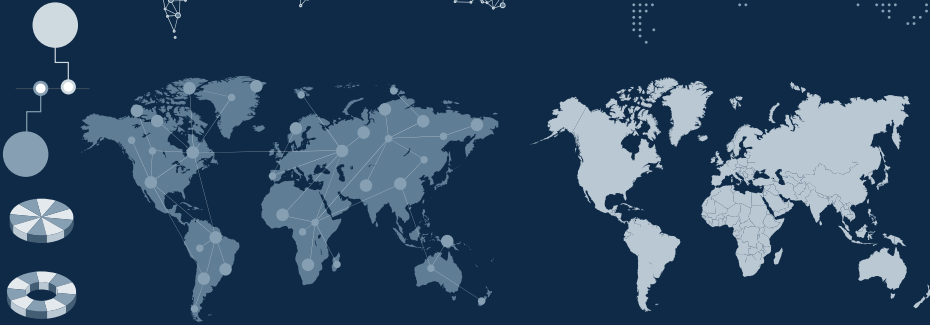
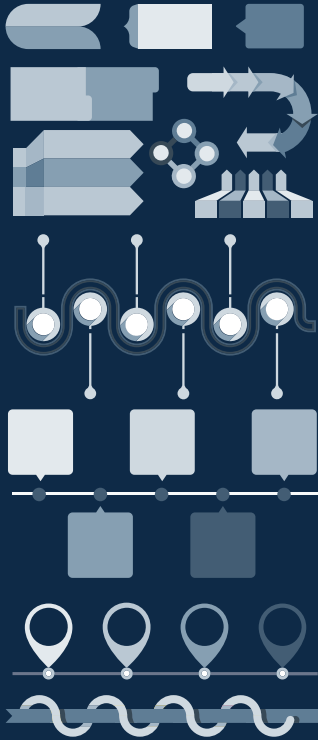
(<https://fonts.google.com/specimen/Catamaran>)



#434343

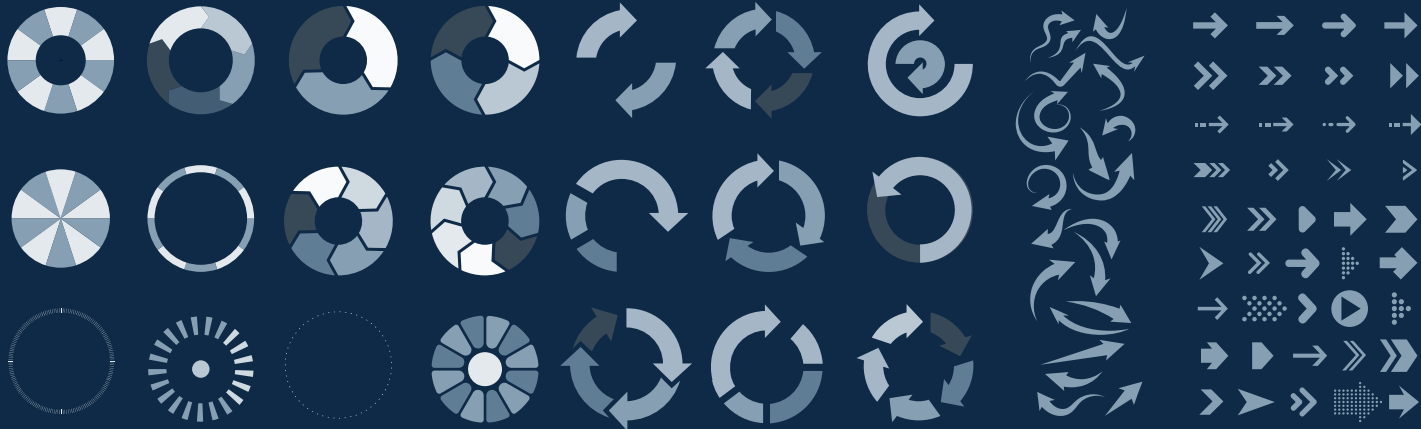


#556d96



Use our editable graphic resources...

You can easily *resize* these resources, keeping the quality. To *change the color*, just ungroup the resource and click on the object you want to change. Then, click on the paint bucket and select the color you want. Don't forget to group the resource again when you're done.



...and our set of editable icons

You can resize these icons, keeping the quality.

You can change the stroke and fill color; just select the icon and click on the paint-bucket/pen.

In Google Slides, you can also use Flaticon's extension, allowing you to customize and add even more icons.



Creative Process Icons



Performing Arts Icons



Nature Icons

