Modules in Joomla

*Instructor for this Workshop*

Web Development

School of Arts and Sciences
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Modules in Joomla!

Welcome
Instructor for this Workshop
School of Arts & Sciences, Web Development

Once you arrive:

1. Login to the workstation with your NetID
2. Open a web browser (Firefox or Chrome)
3. Go to the website: http://www.sas.rutgers.edu/cms/sandbox3

What is Joomla?
Joomla! is Content Management System (CMS) software that runs on a web server, and allows you to update your unit's web site through a browser (such as Google Chrome, Mozilla Firefox, or Safari).

A content management system isolates the process of updating information from the more technical aspects of updating a website (such as administration, configuration, and design), and eliminates the need to edit HTML or use web design software.

Visit www.joomla.org and help.joomla.org for more information on Joomla!

What is a Module?
A Module in Joomla is a ‘mini program’ that can be displayed in various positions on the website. Modules can make your site more dynamic and easier to work with if used properly. A module has two very important properties:

1. Position
   This determines WHERE on the web page it will display

2. Menu Assignment
   This determines what page(s) the module will display on. If a position doesn’t ‘exist’ on a specific page it will not display.
MODULE POSITIONS

Each template that is used in Joomla! Has different module positions. For our SAS-RED template the positions are as documented below:

See position names in the modules
EDIT A CUSTOM MODULE
If a module already exists on your website, and you need to edit it, first figure out what type of module it is. If it just has text or an image in it, it is probably a CUSTOM module type.

1. Sample Custom Module

2. Go to back end, Extensions → Modules

3. In the search, type ‘Contacts’

4. Edit the module as needed (similar to editing an article)
CREATE A CUSTOM MODULE
A custom module allows you to add custom text or image and place it in a position on the website.

CREATE A NEW MODULE

1. Extensions → Modules

![Extensions → Modules](image)

2. Click the New Button to create a new module

![Click NEW](image)

3. Select TYPE of Module (select CUSTOM MODULE)
<table>
<thead>
<tr>
<th>Select a Module Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Articles - Archived</strong></td>
</tr>
<tr>
<td><strong>Articles - Categories</strong></td>
</tr>
<tr>
<td><strong>Articles - Category</strong></td>
</tr>
<tr>
<td><strong>Articles - Latest</strong></td>
</tr>
<tr>
<td><strong>Articles - Most Read</strong></td>
</tr>
<tr>
<td><strong>Articles - Newsflash</strong></td>
</tr>
<tr>
<td><strong>Articles - Related</strong></td>
</tr>
<tr>
<td><strong>Bre dendroblm</strong></td>
</tr>
<tr>
<td><strong>Custom</strong></td>
</tr>
<tr>
<td><strong>DOCman - Categories</strong></td>
</tr>
<tr>
<td><strong>DOCman - Documents</strong></td>
</tr>
<tr>
<td><strong>External Login</strong></td>
</tr>
<tr>
<td><strong>Feed Display</strong></td>
</tr>
</tbody>
</table>
4. Define the Custom Module

1. Module Title
2. To display title on page, click ‘show’
3. Module Position (where it will display on the page)
4. Content can include text, image or anything that you like

5. Determine what PAGE(s) the module will appear on

1. Select Module Assignment:
   - Only on the pages selected
2. Click on ‘none’ to ‘de-select’ all items, before selecting the items to click.
3. Check the box next to the menu item(s) or pages you want the module to be displayed on
DISPLAY A CATEGORY LIST
If there are multiple articles in the same category, and it would be useful to display a list of those articles in a position on the page, a Category List module is very useful.

For example, this site has different articles for each of the course offerings. They are broken out by ‘category’

1. Graduate Course Offerings is a Module
2. the Articles are arranged and grouped by CATEGORY
3. The Articles are SORTED by the manual article order

1. Create a new module, with the type: ARTICLES - CATEGORY

Select a Module Type:

- AcyMailing Module: Subscribe / Unsubscribe Module for AcyMailing
- Articles - Archived: This module shows a list of the calendar months containing Archived Articles. After you...
- Articles - Categories: This module displays a list of categories from one parent category.
- Articles - Category: This module displays a list of articles from one or more categories.
- Articles - Latest: This module shows a list of the most recently published and current Articles. Some that...
- Articles - Most Read: This module shows a list of the currently published Articles which have the highest...
- Articles - Newsflash: The Newsflash Module will display a fixed number of articles from a specific category.
- Articles - Related: This module displays other Articles that are related to the one currently being viewed....
2. Select the Filtering Options

1. Select # of articles to display
2. Select category or multiple categories to display
3. Select if Featured articles SHOULD or SHOULD NOT appear
4. Can select specific IDs not to appear in the result.

3. Select the Ordering Options

To select ‘RANDOM’, that is in the option for Article Field to Order By

1. Click search Tools
2. Select CATEGORY to display the articles from.
3. Click on the ‘ORDERING’ ICON
4. Once the ‘3 dots’ are black, you can DRAG the articles into the sequence as needed.

If Article Order is selected, it is possible to ‘manually’ define the order of the articles.

How to ORDER articles Manually

Go to Content → Articles
4. Grouping Options

1. Select type of grouping (by category for example)
2. Select sort order
3. If grouping by date, can format the date (by year for example)

5. Display Options (2\textsuperscript{nd} to last TAB)

1. Display a ‘linked title’
2. Show or hide intro text / read more, etc
DISPLAY A ‘NEWSFLASH’ FOR ARTICLE CONTENT DISPLAY

Now that the Article Category module (see instructions above), can display article content, this module type may not be necessary. But it is a ‘simpler’ approach.

A sample use for this is to display a ‘testimonial’, randomly on a page, each time you visit the page a different ‘article paragraph’ can display.

This core Joomla Module has existed in Joomla since Joomla 1.0.

1. Create a new module with a type of Articles News Flash

2. Define options for Newsflash

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1. Can select multiple categories
2. Define if you want images displayed or not
3. show read more or not
4. Ordering can only be by Date, Ordering (manual article ordering), Random (no option to order by title)

* cannot select featured or not...
RANDOM IMAGE MODULE
This module will display a single image from a folder. If you have 10 images in the folder, each time the page is visited a different image will be displayed. This can add interesting variety to the site, without having a complex slideshow.

It is recommended that the image is RESIZED and CROPPED so all images in the folder are the same size.

It is possible to assign a link to ALL images, if someone clicks on the image they can be taken to a specific area of the website. The link has to be the SAME for all images.

This is not to substitute for an actual photo gallery or slide show.

A suggested use is for a ‘study abroad’ or perhaps different pieces of artwork to be displayed on the home page of a website.

1. Upload Images to the Specific Folder (Content → Media)

   ![Upload Images to the Specific Folder](image)

2. Create new Folder to place images in

   ![Create new Folder](image)

3. Upload images into the folder (Select folder first)

   ![Upload images into the folder](image)
4. Create new module type: RANDOM IMAGE

- Specify Image FOLDER that the images are in.
- Specify a single LINK (optional)
- Define the WIDTH and HEIGHT of the display. Images should be resized FIRST and should all be the same size.

5. Define the options with Random Image Module

- Define the options with Random Image Module.
PLACE A MODULE WITHIN CONTENT

Normally a module is displayed in a specific module ‘position’. It is possible to ‘nest’ a module inside of an article. For example if you have a list of courses that are taught for a specific ‘unit’ you can put this ‘list’ or ‘schedules’ inside of the article.

1. Create the Module first

In this example, I’m creating a Articles – Category Listing of Faculty Members

This module has the following criteria:

- Filtered → Faculty Category
- Position → NONE (do not set the position)
- Menu Assignment → NONE (Do not set it to appear on menu items)

2. Create the Article

Title: Faculty

Description: Add information into the article, place cursor where you want the ‘module’ to appear.

Click on Module at the bottom of the editor.
(Note you can use either Module button), we will try the first one first.
3. When on the module page, filter by ‘faculty’ (the title of the module). Then click the GREEN button.

![Type Faculty in the search](image1)

Click the GREEN button with the name of the module

4. You will now see the module included in the article

![Click on the module button that looks like it has ‘multiple’ items.](image2)

5. If you use the ‘other’ module button, you can add it slightly differently...
6. This tool is ‘Modules Anywhere’

Enter Faculty in the Search
Can click on the Module ID number, this way if you change the ‘title’ of the module, this tool will still work.

7. See the display of the module in the article

The coding for this one uses the Module ID.
FYI, you can just change the module id to display a different module, as long as you know the Module ID Number

8. Preview of using the module inside of the article
RU Courses Module
The RU Courses module allows the display of the course schedule for courses in a specific department, or courses by course ID number.

Below is a sample of the RU Courses Module:

1. Create the module in Modules

Create NEW Module, Type: RUCOURSES
2. Define Courses Module

1. Set Title
2. Select Subject
3. Select Level
4. Select Semester
5. Define additional course details.
6. Keep default settings (unless you want to override something.)
7. Keep Position - NOTHING

3. Edit Article to put the schedule in

Click on the ‘Module’ button that looks like multiple...
4. Search for ‘course’, select the MODULE ID button to insert.

5. The article will show: {module 302} and will display it inside of the article.
ADD MENUS TO YOUR SITE
It is useful to display right hand menus on your site pages, especially pages where there are multiple navigation options.

1. Create Menu Module -> Type = Menu
2. Define Module Options
   - Select Menu = Main Menu
   - Start Level = 2 (since it is just going to show the ‘sub menu’)
   - Show title = SHOW
   - Position = sidebar-b
3. Define Menu Assignment tab

See Dropdown Menu ‘under people’.
The menu on the right is the IDENTICAL menu.
This gives users easy navigation options.
4. Select Pages to display on (in Menu Assignment Tab)