



Advanced Joomla - Build Home and News Pages

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SASIT – Web Development

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CLASS GOALS

WELCOME & INTRODUCTIONS

School of Arts & Sciences, Web Development

CLASS GOALS

Build and design your home page using

- Static modules
- News Module

Create people page using custom fields

- Category blog view
- News view, how we can select specific fields to display in different layouts

Build news page

- Use filtering by news items

ADDITIONAL TRAINING / DOCUMENTATION

Training: <https://sasit.rutgers.edu/how-to-guides/web-development-documentation>

Sample website: <https://www.sas.rutgers.edu/cms/deptdemo>

CLASS SITE

Site we will be using today

<https://www.sas.rutgers.edu/cms/training>

<https://www.sas.rutgers.edu/cms/training/administrator>

STATIC SQUARE BUTTON MODULES

All of our SAS websites use ‘square’ button modules on the bottom of the home page to use as additional navigation features for the website. We recommend these links be links that are normally ‘tucked away’ from the top menu such as ‘Undergraduate’, ‘Study abroad’, ‘events’. Each square button should link to a specific menu item on the website.

The screenshot shows the homepage of the Asian Languages and Cultures department. At the top, there's a red header bar with the text "School of Arts and Sciences" and "Asian Languages and Cultures". Below the header is a large banner image of the Great Wall of China. The main content area has a white background. On the left, there's a "Welcome to Asian Languages and Cultures" section with a photo of a traditional Korean building and some descriptive text. To the right of this are four main category sections: "Undergraduate", "Graduate", "Study Abroad", and "Department News". Each category has a small thumbnail image and a title. Below these are four smaller sections: "Asian Studies", "Chinese", "Japanese", and "Korean", each with a corresponding thumbnail image. A red box on the right side contains the text "Mainbottom (a,b,c,d) – TOP ROW" and "Extension (a,b,c,d) – Bottom Row", with two red arrows pointing from the text to the "Undergraduate" and "Graduate" sections respectively.

Mainbottom (a,b,c,d) – TOP ROW

Extension (a,b,c,d) – Bottom Row

CREATE CUSTOM MODULE

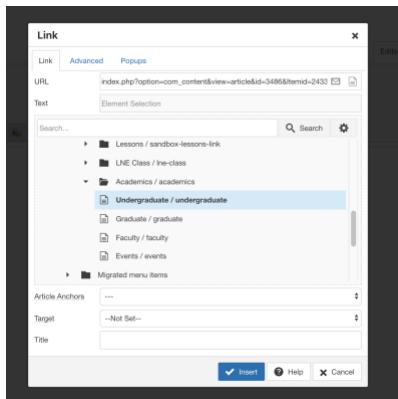
- Extensions → Modules
- Click NEW for new module
- Type = CUSTOM MODULE

Fields for module:

- Title: L-Undergraduate. (where L is your INITIAL)
- Position: Mainbottom-A

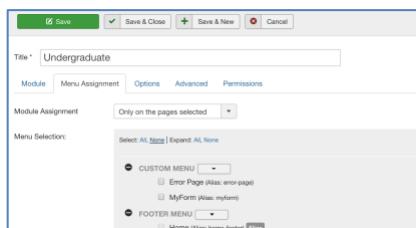
Content:

- Upload image from folder bottom-images
- Click on image, assign a LINK to the image



Menu Assignment:

- Select MENU Assignment Tab
- Select ONLY ON PAGES SELECTED
- Click on NONE
- Find your Menu item (YOUR NAME) – CHECK IT!
- Click SAVE & CLOSE



Sample Display:

The screenshot shows a website layout for 'Laura G.'. At the top, there's a red header bar with the Rutgers logo and navigation links for 'School of Arts and Sciences', 'Support SAS', 'Search Rutgers', and 'Rutgers Home'. Below the header, the main content area has a dark blue background. On the left, a sidebar displays the name 'Laura G.' and a link to 'My sample Page'. The main content area features a heading 'Undergraduate' above a photograph of three students sitting on a stone wall. To the right of the photo is a sidebar titled 'LNE Menu Items' containing a link to 'Laura G.'.

CLASS EXERCISE – ADD MODULES

Add modules to the following positions (put your initial to the left of each title)

- Graduate → mainbottom-b
- Faculty → mainbottom-c
- Centers → mainbottom-d

It's possible to COPY a module that already exists (save as copy), just change

- Title, image, image link, position

Sample Page:

The screenshot shows a website layout for 'Laura G.'. The top structure is identical to the previous sample page, featuring the Rutgers logo and navigation links. The main content area now includes four distinct module positions labeled 'L-Undergraduate', 'L-Graduate', 'L-Faculty', and 'L-Centers'. Each position contains a photograph: 'L-Undergraduate' shows students on a stone wall; 'L-Graduate' shows a hallway with bookshelves; 'L-Faculty' shows a bronze statue of a person; and 'L-Centers' shows a modern building with a wooden plaque reading '1766'.

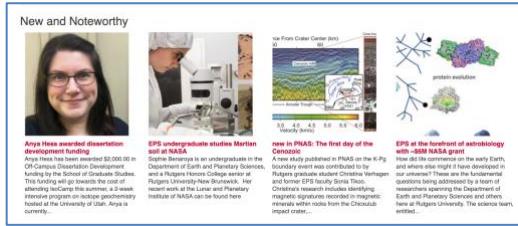
NEWS MODULE ON PAGE

OVERVIEW

There are several ways to display news articles from the website. It's possible to display just a 'list' in a vertical view or if you have images, the news items can be displayed horizontally with a square image 'generated' from each article

Sample view

- Geography.rutgers.edu
- Eps.rutgers.edu



Definition of Training Site

- Content → Categories
- Find NEWS Category
- Click on GREEN oval, see the articles in this category

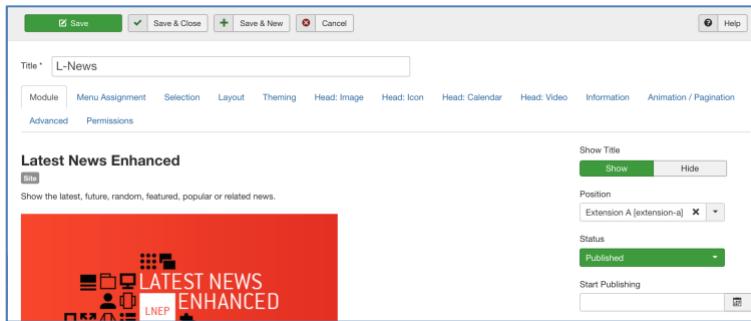
Documentation for Latest News Enhanced:

<https://simplifyyourweb.com/documentation/latest-news>

CREATE LNE MODULE

Create NEW Module

- Type: Latest News Enhanced Module
- Title: L-News (where L is your initial)
- Position: Extension-a
- Menu Assignment: PAGES SELECTED, SELECT JUST YOUR PAGE



SELECTION SETTINGS

- Category → NEWS
- Sub-categories → ALL Levels, if you may want articles within levels of categories
- Order → Recently Published First
- Max Count → 4 (number of articles to display)

This will select only the articles in the NEWS Category

It is possible to select by Category(s) AND/OR TAGS

Definition of Tags/Categories

- An Article can only exist in ONE CATEGORY (it is a hierarchy system)
- An Article CAN have MULTIPLE TAGS

A screenshot of a configuration form for 'Selection Settings'. It includes fields for 'Include Featured' (with options Yes, First, Only, No, and Yes selected), 'Order' (Recently Published First), 'Max Count' (set to 4), 'Applies' (To articles, Per category, or Per author, with To articles selected), and 'Start At' (set to 1).

Hit save, and view your page on the website

LAYOUT SETTINGS

Initially the display will be vertical without images, and it will just be a long listing

Layout There are no template overrides for mod_latestnewsenhanced There are no layout overrides for mod_latestnewsenhancedexts

No Data Message

Configuration Vertical Horizontal

Overall Width px

Overall Height px

Use Leading Items Yes No

ALL ITEMS

Item Width 25

Item Width Unit px %

Min Item Width 250 px

Head Type

Include Fulltext Yes No

Head Width 250 px

Head Height 250 px

Maintain Height Yes No

Keep Space Yes No

Position

- Set Configuration to HORIZONTAL

All Items...

- Set Item width = 25% (show 4 across)
- Min width = 250px

Head...

- Image Type – Image from content
- Head: 250px x 250px

Result:

HOME INTRO TO JOOMLA ▾ FACULTY WORKSHOPS ▾ LESSONS ▾ LNE CLASS ▾ ACADEMICS ▾ KRYSTAL WHITEHEAD-OCT 15

Laura G.
My sample Page

L-Undergraduate
L-Graduate
L-Faculty
L-Centers

L-News

Xiaoran Chen awarded dissertation development funding
Xiaoran Chen has been awarded \$2,000.00 in Off-Campus Dissertation Development funding by the School of Graduate Studies. This award is part of the funding provided for the project "Seismic Data Analysis and Interpretation in West Australia Crust" which will be supervised by Dr. Mark Yu and Dr. Mark Potts at Macquarie University in Parramatta, Australia. The project is a key element of the PhD program of Xiaoran Chen. The research developed, aimed at comparing internal structure of two areas of extremely old continental crust in the Western United States and one in Australia. The work will be done in collaboration with Dr. Huayu Yuan of

Dr. Jill VanTongeren promoted to Associate Professor with Tenure
Congratulations to Dr. Jill VanTongeren who has been promoted to the rank of Associate Professor. Dr. VanTongeren's research is primarily focused on evolution of large magma chambers including the Upper Zone of the Western Cordillera of North America and the Duker Intrusion in Antarctica. Since arriving at Rutgers University in 2014 she has published in highly regarded journals such as Nature Geoscience, Geology, Geochimica et Cosmochimica Acta and Geochimica et Cosmochimica Acta and Geophysics.

Yu wins Cushman Foundation, GSA awards
Congratulations to Mark Yu third year Ph.D. student, who received two research awards this summer. The William V. Stier Research Award is sponsored by the Cushman Foundation for Geodynamics research. Mark also received a Geological Society of America Graduate Research Grant. Mark is currently focusing on understanding the dynamics in the tropical thermocline waters of the

EPS at the forefront of astrobiology with ~\$6M NASA grant
How did life commence on the early Earth, and where else might it have developed in our universe? These are the fundamental questions being addressed by a team of researchers spanning the Department of Earth and Planetary Sciences and others

ADDITIONAL LAYOUT SETTINGS

Title

| | |
|----------------------|---|
| Element | <input type="text" value="Title"/> |
| Letter Count Max | <input type="text" value="100"/> |
| Force one Line | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| HTML Header Tag | <input type="text" value="h4"/> |
| Position Before Head | <input checked="" type="radio"/> Yes <input type="radio"/> No |

Text

| | |
|-------------------|---|
| Text Introduction | <input type="text" value="Intro"/> |
| Unauthorized Text | <input type="button" value="Show"/> <input type="button" value="Hide"/> |
| Letter Count Max | <input type="text" value="0"/> |
| Strip Tags | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Keep Tags | <input type="text" value="<p><a> "/> |
| Trigger events | <input checked="" type="radio"/> Yes <input type="radio"/> No |
| Wrap | <input checked="" type="radio"/> Yes <input type="radio"/> No |

LINKING

| | |
|---------|--|
| Link on | <input checked="" type="checkbox"/> Title <input checked="" type="checkbox"/> Head <input type="checkbox"/> Read More Link <input type="checkbox"/> Appended Link |
| Link to | <input type="text" value="Item"/> |

TITLE

- Element: Title (or you can select a field name)
- Letter Count Max: 100
- HTML Header Tag: H3

TEXT

- Intro
- Letter Count Max: 0

LINKING

- Like on: Title & Head (makes image clickable)
- Link to: Item (or can go to a 'weblink field')

Result:

Laura G.

My sample Page

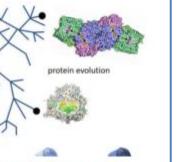
L-Undergraduate  L-Graduate  L-Faculty  L-Centers 

L-News


Xiaoran Chen awarded dissertation development funding


Dr. Jill VanTongeren promoted to Associate Professor with Tenure


Yu wins Cushman Foundation, GSA awards


protein evolution


EPS at the forefront of astrobiology with ~\$6M NASA grant

IMAGE SETTINGS

Module Menu Assignment Selection Layout Theming Head: Image

Options related to the image (when selected)

The PHP `allow_url_fopen` setting must be enabled in order to use the URL image source.

The PHP `allow_url_fopen` setting is enabled

Default Image

Background Color

Border Width px

Border Radius px

Border Color

Shadow Width px

Shadow Type All around

Hover Effect

Create Thumbnails

The PHP GD extension is required for creating thumbnails of images.

The PHP `gd2` extension is loaded (2.0.35)

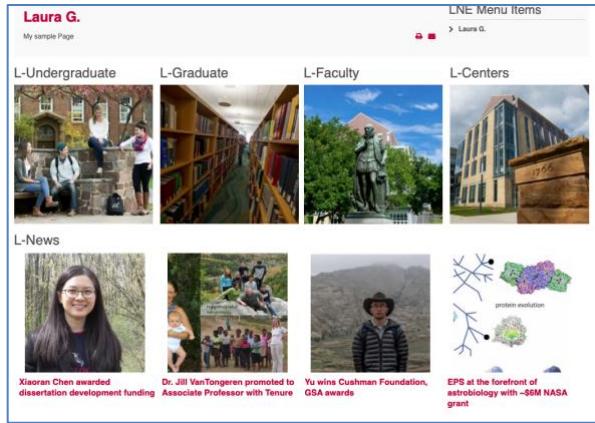
Crop Pictures

Create Thumbnails → YES

Crop Pictures → YES

This will set all images to be the same size.

Result:



CLEAR CACHE – VIEW IMAGES

The images are generated via cache, which means that at times you may see ‘older images’, even if you know you changed them.

CLEAR JOOMLA CACHE

System → Clear Cache → DELETE ALL (Click button), YES YOU CAN DELETE ALL

OPEN IN NEW BROWSER

Copy the url for your page then open in a new browser window. This can confirm that everything is setup properly, it is just a ‘cache issue’.

CLEAR LOCAL BROWSER CACHE

- Chrome
- Click on ‘top 3 small buttons’ on top right side of page
- Click HISTORY
- Click on LEFT – Clear Browsing Data
- Remove all
- (this will clear out any passwords you may have saved over time, you may need to re-login)

PEOPLE PAGES

People pages can be displayed in many different ways in Joomla. Each ‘person’ should always be an individual article in joomla. In this environment we already created custom fields for each person.

PERSON DETAIL PAGE



Bruce Crawford
Assistant Professor
Website: <http://www.test.com>
Email Address: bruce@test.com

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque gravida id justo vitae lorem. Morbi hendrerit tempor neque sit amet sodales. Donec ligula tortor, porta ut tellus eget enim. Donec velit ipsum, placerat ut elementum eu, tempor in enim. Nulla sit amet neque quam. Vivamus et Proin tincidunt eros eu magna laoreet, non gravida velit eleifend. In hac habitasse platea dictumst. Sed blandit, tellus nec urna. Pellentesque mattis magna tincidunt sapien bibendum, nec eleifend nulla sagittis.

BUILD CATEGORY BLOG PEOPLE PAGE

- Menus. → Main Menu
- Click NEW MENU ITEM
- Title: Name - Faculty Blog
- Menu Item Type: Articles → Category Blog
- Choose category – Faculty
- Options tab →
 - # Leading Articles = 0
 - # Intro Articles = 10
 - # columns = 1
 - # Links = 0
- Parent Item → LNE Blogs

Display of page

Could be done better:

1. Display of ‘linked title’ is lastname, first name
2. Images are not the same size
3. What if I want ‘readmore’
4. What if I don’t want to display all of the fields
5. What if I want to display horizontally? With just the image and the title?

CREATE LINE BLOG – 1 ACROSS

EDIT the menu item that was created in the last exercise.

- Menus → Main Menu → Menu items
 - Search for your NAME - CLICK on NAME – Faculty Blog
 - **Change Menu Item Type = Latest News Enhanced → BLOG**

DEFINE: SELECTION, HEAD, TITLE

Selection Tab

- Category(s) → Faculty
 - Order → Title Asc

Layout Tab

Leading Items → Leave this area blank

Remaining Items

- Item Width = 100%
 - Item Min Width = 250px

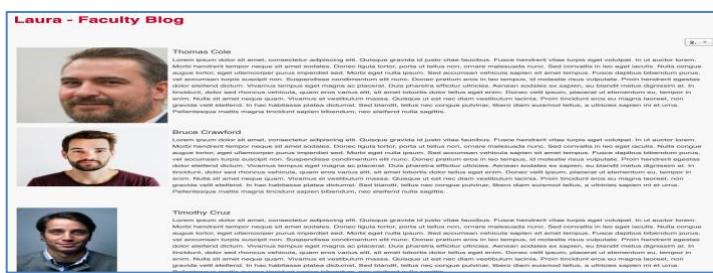
Head

- Head Type → People Fields: Portrait Image
 - Width: 250px
 - Height: 250px
 - Position: Left

Title

- Element – People Fields: Formatted Name
 - Letter Count Max – 100
 - HTML Header Tag – H3

Display Result



DEFINE: TEXT, LINK, HEAD IMAGE, INFORMATION

Text

- Letter Count Max: 800
- Wrap: YES

Linking

- Link on: Title, Head, read more
- Link to: Article (you can also link to a 'website', if there is one)
- Link Label: Read More

Theming

- Read more class → button

Head: Image

- Crop Pictures: YES

Information (TAB)

This gives you the capability of selecting specific fields to display.

Information Before Text

Click Green Plus for each field that you want to add

- Type: People Fields: Position
 - CSS Classes: large-normal
 - Append New Line: Yes
- Type: People Fields: Email Address

It's possible to define styles for all of the fields that are added in 'information'

Sample styles:

Faculty

intro-image-top-200

Firstname B Lastname ← large-bold
Professor ← large-normal
PROFESSOR ← caps-gray-med
PH.D. RUTGERS UNIVERSITY ← caps-gray-sm
Research Interests: list of research interests ← paragraph-spaced
(732) 123-4567
Office: George Street
Personal Website: Personal Website

SAMPLE OUTPUT

Laura - Faculty Blog

2.. ▾



Thomas Cole

SENIOR COUNSELOR

cruz@test.com

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque gravida id justo vitae faucibus. Fusce hendrerit vitae turpis eget volutpat. In ut auctor lorem. Morbi hendrerit tempor neque sit amet sodales. Donec ligula tortor, porta ut tellus non, ornare malesuada nunc. Sed convallis in leo eget iaculis. Nulla congue augue tortor, eget ullamcorper purus imperdiet sed. Morbi eget nulla ipsum. Sed accumsan vehicula sapien sit amet tempus. Fusce dapibus bibendum purus, vel accumsan turpis suscipit non. Suspendisse condimentum elit nunc. Donec pretium eros in leo tempus, id molestie risus vulputate. Proin hendrerit egestas dolor eleifend dictum. Vivamus tempus eget magna ac placerat. Duis pharetra efficitur ultricies. Aenean sodales ex sapien, eu blandit metus dignissim at. In tincidunt....

[Read More](#)



Bruce Crawford

ASSISTANT PROFESSOR

bruce@test.com

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque gravida id justo vitae faucibus. Fusce hendrerit vitae turpis eget volutpat. In ut auctor lorem. Morbi hendrerit tempor neque sit amet sodales. Donec ligula tortor, porta ut tellus non, ornare malesuada nunc. Sed convallis in leo eget iaculis. Nulla congue augue tortor, eget ullamcorper purus imperdiet sed. Morbi eget nulla ipsum. Sed accumsan vehicula sapien sit amet tempus. Fusce dapibus bibendum purus, vel accumsan turpis suscipit non. Suspendisse condimentum elit nunc. Donec pretium eros in leo tempus, id molestie risus vulputate. Proin hendrerit egestas dolor eleifend dictum. Vivamus tempus eget magna ac placerat. Duis pharetra efficitur ultricies. Aenean sodales ex sapien, eu blandit metus dignissim at. In tincidunt....

[Read More](#)



Timothy Cruz

SENIOR COUNSELOR

cruz@test.com

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque gravida id justo vitae faucibus. Fusce hendrerit vitae turpis eget volutpat. In ut auctor lorem. Morbi hendrerit tempor neque sit amet sodales. Donec ligula tortor, porta ut tellus non, ornare malesuada nunc. Sed convallis in leo eget iaculis. Nulla congue augue tortor, eget ullamcorper purus imperdiet sed. Morbi eget nulla ipsum. Sed accumsan vehicula sapien sit amet tempus. Fusce dapibus bibendum purus, vel accumsan turpis suscipit non. Suspendisse condimentum elit nunc. Donec pretium eros in leo tempus, id molestie risus vulputate. Proin hendrerit egestas dolor eleifend dictum. Vivamus tempus eget magna ac placerat. Duis pharetra efficitur ultricies. Aenean sodales ex sapien, eu blandit metus dignissim at. In tincidunt....

[Read More](#)

CREATE LNE BLOG – 3 ACROSS

EDIT the menu item that was created in the last exercise.

- Menus → Main Menu → Menu items
- Search for your NAME - CLICK on NAME – Faculty Blog

DEFINE: SELECTION, HEAD, TITLE, TEXT

Layout Tab

Leading Items → Leave this area blank

Remaining Items

- **Item Width = 25%**
- Item Min Width = 250px

Head

- Head Type → People Fields: Portrait Image
- Width: 250px
- Height: 250px
- **Position: TOP**

Title

- Element – People Fields: Formatted Name
- Letter Count Max – 100
- HTML Header Tag – H3

Text

- Letter Count Max: 0
- Wrap: No

Linking

- Link on: Title, Head, read more (NOT READ MORE)
- Link to: Article (you can also link to a ‘website’, if there is one)
- Link Label: Read More (REMOVE TEXT)

Sample page:

Laura - Faculty Blog



Thomas Cole
SENIOR COUNSELOR
cruz@test.com



Bruce Crawford
ASSISTANT PROFESSOR
bruce@test.com



Timothy Cruz
SENIOR COUNSELOR
cruz@test.com



Susan Hart
susan@test.com



Jane Hill
jane@test.com



Mary Jones
PROFESSOR
maryjones@test.com



Anna Jordan
FACULTY
anna@test.com



Jim Morris
FACULTY
jim@test.com

2... ▾

FILTER BY TAGS

If your content is using Tags, it's possible to add a 'filter' to your LNE Menu item, so it's easy to 'toggle' between different options.

Our data has tags of Faculty Specialties

Sample person with tags...

The screenshot shows the LNE Content Editor interface for a person record. The title is "Hill, Jane" and the alias is "hill-jane". The editor tabs include Content, Options, People Fields, Publishing, Configure Edit Screen, and Permissions. The Content tab is active. The rich text editor toolbar is visible above the content area. The content area contains a paragraph of placeholder text: "Lorem ipsum dolor sit amet, consectetur adipiscing elit. Quisque gravida id justo vitae faucibus. Fusce hendrerit vitae turpis eget volutpat. In ut auctor lorem. Morbi hendrerit tempor neque sit amet sodales. Donec ligula tortor, porta ut tellus non, ornare malesuada nunc. Sed convallis in leo eget iaculis. Nulla congue augue tortor, eget ullamcorper purus imperdiet sed. Morbi eget nulla ipsum. Sed accumsan vehicula sapien sit amet tempus. Fusce dapibus bibendum purus, vel accumsan turpis suscipit non..." Below the content area, there are several configuration sections: Status (Published), Category (Faculty), Featured (Yes), Access (Public), Language (All), and Tags (Faculty Specialties/English, Faculty Specialties/Math, Faculty Specialties/Biology). The tags section is highlighted with a green background.

We also have a TEXT FIELD, for Specialties

We include a text field, because it displays better on the front end as just 'text'. Yes, this means you are entering the information twice.

The screenshot shows the LNE Content Editor interface for a person record. The title is "Hill, Jane" and the alias is "hill-jane". The editor tabs include Content, Options, People Fields, Publishing, Configure Edit Screen, and Permissions. The Content tab is active. The form fields include: Portrait Image (with a preview thumbnail and file path "images/People/jane.jpg"), Formatted Name (Jane Hill), Position (empty), Specialties (English, Math, Biology), Degree (empty), Website (empty), Email Address (mailto:jane@test.com), CV File (with a preview thumbnail and file path "CV File"), and School Attended (empty). The "Specialties" field is highlighted with a red border.

Edit Latest News Enhanced Menu item

EDIT the menu item that was created in the last exercise.

- Menus → Main Menu → Menu items
- Search for your NAME - CLICK on NAME – Faculty Blog

Information Tab

- Add SPECIALTIES field

Pagination Tab

Standard Pagination:

- Type: Standard
- Pagination results: hide
- Total: Hide
- # of cards per page 20

Indexing

- Position 1 → Tags
- Tags Index → Selection Box
- Tag order → Title Asc

Sample Result:

Laura - Faculty Blog

[Clear](#)

Thomas Cole
SENIOR COUNSELOR
[crutz@test.com](#)
English, Psychology, Biology

Bruce Crawford
ASSISTANT PROFESSOR
[bruce@test.com](#)
English, Psychology

Timothy Cruz
SENIOR COUNSELOR
[crutz@test.com](#)
Biology

Susan Hart
[susan@test.com](#)
English, Biology

Jane Hill
[jane@test.com](#)
English, Math, Biology

Mary Jones
PROFESSOR
[maryjones@test.com](#)

Anna Jordan
FACULTY
[anna@test.com](#)

Jim Morris
FACULTY
[jim@test.com](#)

All

- All
- Biology
- English
- Math
- Psychology