






**Level 5 Diploma in eCommerce & Web Design (901)**  
**176 Credits**



<b>Unit:</b> Joomla	<b>Guided Learning Hours:</b> 220
<b>Exam Paper No.:</b> 6	<b>Number of Credits:</b> 22
<b>Prerequisites:</b> Familiarity with the Web and its terminology.	<b>Corequisites:</b> A pass or higher in Diploma in Information Technology or equivalence
<p><b>Aim:</b> Joomla is a Content Management System (CMS) which helps build powerful dynamic websites and applications; the development enables you to align business requirements. Joomla provides great opportunity to create websites without any design or script programming knowledge. Joomla ensures the safety of data content and doesn't allow anyone to edit the data. This course will enable learners understand about web development and course content covers all Joomla aspects from installation to Advanced topics. By default, Joomla is compatible with all browsers. The course helps understand the power and scope of Joomla in developing dynamic and interactive pages.</p>	
<b>Required Materials:</b> Recommended Learning Resources.	<b>Supplementary Materials:</b> Lecture notes and tutor extra reading recommendations.
<b>Special Requirements:</b> This is a hands-on course, hence use of computers is mandatory.	
<p><b>Intended Learning Outcomes:</b></p> <p>1 What is Joomla? Compare Joomla to other web development programmes and purpose of social networking and subscription management software.</p> <p>2 Understand Joomla installation and architecture. Be able to use Joomla! to build and manage powerful websites and applications.</p> <p>3 Understand procedures of creating menus in Joomla; elaborating why menus are important in easily navigating a website.</p> <p>4 Understand Joomla modules and how to create modules. Be able to describe examples and module uses.</p>	<p><b>Assessment Criteria:</b></p> <p>1.1 Define Joomla features</p> <p>1.2 Describe content management system</p> <p>1.3 Demonstrate the history of Joomla</p> <p>1.4 Describe advantages and disadvantages of Joomla</p> <p>1.5 Explore real world uses for Joomla</p> <p>2.1 Evaluate Joomla system requirements</p> <p>2.2 Define Joomla architecture</p> <p>2.3 Explore Joomla control panel</p> <p>2.4 Demonstrate uses of various toolbar options</p> <p>2.5 Explore Joomla menus</p> <p>2.6 Be able to create standard pages using Context Menu</p> <p>2.7 Be able to use components of Components Menu</p> <p>2.8 Explain purpose of Extension Manager</p> <p>2.9 Explore Joomla Help Menu</p> <p>3.1 Demonstrate how to add a new menu</p> <p>3.2 Demonstrate steps in creating sub-menus</p> <p>3.3 Be able to modify menu items</p> <p>3.4 Describe advantages/purpose of sub-menus</p> <p>3.5 Be able to identify different Menu Item Types.</p> <p>4.1 Be able to navigate to module folder</p> <p>4.2 Describe initialisation, XML file and index files</p> <p>4.3 Demonstrate how to create basic Joomla module</p> <p>4.4 Describe and be able to create Breadcrumb</p> <p>4.5 Be able to identify Module Breadcrumbs fields</p> <p>4.6 Demonstrate creating and using other modules (feed display, footer, latest news,</p>

<p>5 Understand global and system configuration settings; including how it enables personal settings applicable to behaviour and accessibility to Joomla websites.</p> <p>6 Understand objectives of user-centric UX design in the process or product development and integration. The techniques used in building extensions, customisation and creating templates.</p>	<p>search, random image, who's online, syndicate, donation).</p> <p>5.1 Demonstrate access to system Global Configuration.</p> <p>5.2 Demonstrate configuration system global (settings, language manager, private messages, mass emailing, cache management, user settings, debug mode)</p> <p>6.1 Demonstrate managing various templates using Template Manager</p> <p>6.2 Be able to set a number of advanced techniques; including (customising templates, adding/installing/creating template, customising log, category management, adding/formatting content, article metadata, adding banners /contacts /news feed/forum, creating web links, plugin manager, extension manager).</p> <p>6.3 Demonstrate how to backup a website in Joomla</p> <p>6.4 Describe Website Search Engine Optimisation (SEO).</p>
<p><b>Methods of Evaluation:</b> A 2½-hour written examination paper with five essay questions, each carrying 20 marks. Candidates are required to answer all questions. Candidates also undertake project/coursework in Joomla with a weighting of 100%.</p>	

### Recommended Learning Resources: Flash

<p><b>Text Books</b></p>	<ul style="list-style-type: none"> <li>• Joomla Manual by Richard Underwood. ISBN-13 : 979-8580432939</li> <li>• Using Joomla by Ron Severdia and Jennifer Gress. ISBN-13 : 978-1449345396</li> <li>• Joomla! Explained by Stephen Burge. ISBN-13 : 978-0321943224</li> </ul>
<p><b>Study Manuals</b></p> 	<p>BCE produced study packs</p>
<p><b>CD ROM</b></p> 	<p>Power-point slides</p>
<p><b>Software</b></p> 	<p>Joomla</p>