

LCT CE Computer Training

LCT 8001 Introduction to MYSQL (1-0) 1 cr.

Teaches how to create MySQL databases, which are designed specifically as a web back end. Explains how to quickly and efficiently set up a MySQL databases. Administers MySQL databases. Uses real-world exercises. Identifies how to become proficient in running SQL queries against the server. Customizes a SQL database using the tools in the MySQL distribution.

Recommended: Prerequisites: LCT0193 Introduction to JavaScript Programming and LCT0292 Introduction to PHP or equivalent experience.

LCT 8002 Intermediate MYSQL (1-0) 1 cr.

Focuses on the way business applications are created and distributed using websites. Learns how to connect centralized database technology with the stack of open-source applications known as LAMP (Linux, Apache, MySQL, and PHP).

Recommended: LCT8001 Introduction to MySQL or equivalent experience.

LCT 8036 Photoshop (1-0.5) 1 cr.

Covers program interface, documentation navigation, application preferences setup, practical application of basic tools, layers and channels usage, selections, resolution, color spaces, file type/formats, and image modes. Includes Photoshop's extensive color manipulation settings, the pen tool, layer styles and bitmaps and duotones. Students should have general computer experience (daily usage), and Introduction to OSX or Introduction to Windows.

LCT 8040 Indesign (1-0.5) 1 cr.

Covers creation-adding/deleting pages, adjusting layouts, working with text boxes and the type tool-importing text, linking text boxes, text and paragraph formatting and styles, working with pictures and frames-importing pictures, text wrap, changing frame and content size, the links palette, working with shapes and color, use of the transform tools, working with document guides, tables, templates and master pages. Students need a strong background in Mac or PC usage and experience with word processing program recommended.

LCT 8055 Illustrator (1-0.5) 1 cr.

Develops skills in using the tool palette, color and image creation, and other features of Adobe Illustrator. Enhances documents created in Quark by working with paint effects, type, perspective drawing and creating artwork for the web. Strong Mac or PC skills and a previous computer graphic arts course such as QuarkXpress, is advised.

LCT 8071 Quarkxpress (1-0.5) 1 cr.

Demonstrates how to use palettes and how to set-up documents for printing. Teaches how to create master pages, develop style sheets, apply paragraph formats to documents, set tabs, wrap text, and use short cut keys. Includes how typeface and type styles are used, file formats and Quark document conversion to an EPS format. Strong MAC or PC experience and excellent mouse skills required.

LCT 8075 Vmware Certified Professional (1-2) 2 crs.

Provides knowledge of the VMWare Software Server virtualization product that makes it possible to partition a single physical server into multiple virtual machines. VMware server works with Windows, Solaris, Linux and Netware--any or all of which can be used concurrently on the same hardware. Prepares students for the VMware Certified Professional exam (VCP) by planning, installing, configuring, securing and upgrading vSphere and virtual machines.

Recommended: LCT 0310 (Introduction to Windows Environment) or equivalent experience and networking experience.

LCT 8101 Graphic Arts Fundamentals (0.5-1) 1 cr.

Teaches the fundamentals of the graphic arts industry. Uses industry based software to create professional layouts for print media. Introduces basic operations of Adobe Photoshop, Illustrator and InDesign will allow for the hands-on development of documents. Explores graphic arts workflow, various printing methods, typography, design elements, color management and the many career possibilities the industry has to offer.

LCT 8103 Digital Imaging I (2-2) 3 crs.

Covers fundamentals of professional image-editing software (Adobe Photoshop). Emphasizes skills to manipulate photos using current software tools and special effects filters. Explores program tools, color correction, channels, layers and masks. Strong computer skills are required for success in this course. Upon request this course can be converted to college credit for course GRA103.

LCT 8151 Graphic Arts Techniques (0.5-1) 1 cr.

Explains how to become an intermediate skill level user of the software (Photoshop, Illustrator, InDesign) by designing a one-page layout to meet the needs of the client and using basic design principles to develop a digital color comprehensive that will be presented to the client. Includes creating thumbnails using FPO images along with text to produce professional layouts that will be used for print purpose. Identifies how Illustrator will be used to create vector graphics that will integrate into the process. Emphasizes on the steps required for a project to progress through the graphic arts workflow will be address. Recommended Preparation: LCT8101 Graphic Arts Fundamentals

LCT 8301 Graphic Arts Applications (0.5-1) 1 cr.

Explains how to employ a working knowledge of InDesign, Photoshop and Illustrator to create a four-page newsletter. Introduces industry standards used to design a document to meet the production requirements of the graphic arts industry. Describes resolution, color modes, file management, vector and pixel image utilization, text formatting, stock requirements, file format, color output, finishing processes and bindery operations topics. Recommended Preparation: LCT8151 Graphic Arts Techniques

LCT 8400 Big Data Analytics (1-0) 1 cr.

Teaches students about predictive models that create business value from Big Data solutions, the technology (databases, query languages, architectures) and statistical techniques of Big Data Analytics.

Recommended: basic understanding of statistics, databases and data management.

LCT 8500 Front-End Coding Boot Camp (1.5-2) 2.5 crs.

Teaches responsive front-end programming using HTML, CSS, JavaScript and jQuery. Understand how these core languages blend together by developing interactive web pages through hands-on learning. Conclude with a self-paced responsive coding project.

Recommended: Students must be comfortable working in a PC environment and able to type a minimum of 20 words per minute.

LCT 8600 Introduction to R Programming (1-0) 1 cr.

Teaches R programming, an open source programming language and software environment for statistical computing and graphics that allows data analysis and visualization to help build predictive models. Students will define a predictive problem to study using data in R. Also teaches R commands while studying the predictive problem, and applies different predictive problems in an individual case study.

Recommended: Some understanding of data analysis, programming is not a prerequisite.