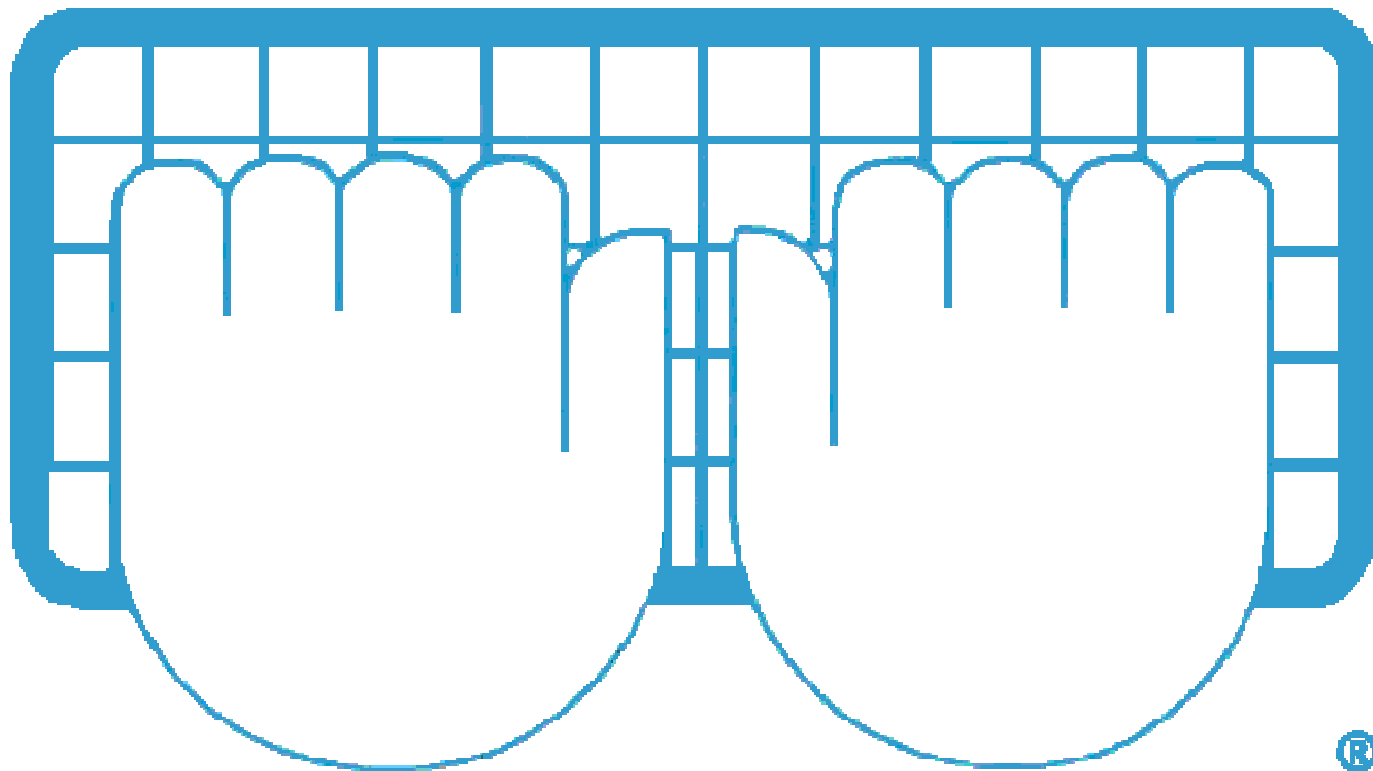


Web-based Training by SYS-ED



Extension of the Company Mission - 1



- SYS-ED has extended its instructor-led classroom training and its courseware library to a web-based delivery medium.
 - presentation slides, video conferencing, HTML pages, live chat, and podcast.
 - Utilization with authoring and delivery systems.
- Enrollment in a course is predicated upon an interview with a company director.

Extension of the Company Mission - 2



- In conjunction with presenting an instructor-led course at the client location, courseware is organized for future use in a web-based infrastructure and delivery medium.
- All SYS-ED information technology courses have a common foundation.
 - Lesson plan
 - Presentation outline
 - Performance objectives
 - Examples
 - Workshop objectives
 - Exercises
 - Review questions
 - Validation assessment

Extension of the Company Mission - 3



New York State Education Department BPSS-30 Curriculum			
Delivery Medium			
Instructor-led training with a Web-based Learning Option			
Distance-learning		E-learning	
Synchronous	Blended	Hybrid Delivery	Asynchronous Delivery

SYS-ED Web-based Training Service - 1



- SYS-ED's web-based learning is designed to:
 - Help organizations develop specialized expertise in computer applications, operating systems, networking administration, programming skills, application development, and systems software.
 - Enable business professionals, webmasters, and IT professionals to remain state-of-the-art and be more successful at their jobs.
 - Provide mid-sized and small businesses with the skillset to utilize software technologies for improving employee productivity and growing their business.

SYS-ED Web-based Training Service - 2



- SYS-ED's web-based training applies the principles of adult learning theory to the presentation of information technology subject matter.
 - The content is modular and extensible.
- The service is efficient in terms of presentation and graphics to minimize bandwidth limitations.
- Value added service is available through categorized and software specific SYS-ED websites.

Courseware Library and Knowledge Base



- The courseware library and knowledge base are important components of SYS-ED's web-based training service.
 - Student handouts, sample programs, skeleton programs, workshops, and training aids.
- The courseware incorporates industry standard subject matter and consultancy derived content and techniques.
 - Modular courseware is assembled for a unified presentation of the lesson plans: performance objectives, workshop objectives, examples, and exercises.
- Courseware is updated prior to use.

Open Source Moodle



- SYS-ED uses open source Moodle as a framework for web-enabling its courseware library.
- Distance-learning courses are an extension of the SYS-ED schedule.
- E-learning is developed and tailored to client-specific operational objectives.

SYS-ED and Moodle: Web-based Content Delivery



Introducing..... Moodle!

Moodle is an alternative to proprietary commercial online learning solutions, and is distributed *free* under open source licensing. An organization has complete access to the source code and can make changes if needed. Moodle's modular design makes it easy to create new courses, adding content that will engage learners.

modular object-oriented dynamic learning environment

moodle

Moodle's intuitive interface makes it easy for instructors to create courses. Students require only basic browser skills to begin learning.

Authoring and Presentation Systems - 1



- SYS-ED works with web authoring and delivery systems.
 - Open Source - CourseLab
 - Open Source - eXe and Xerte
 - Proprietary - Centra
 - Other Retail Services - Webex and Citrix
- There is debate within accredited educational institutions and client organizations as to what the emerging standard will be in terms of authoring systems and acceptable presentation of web content.

Authoring and Presentation Systems - 2



- The opinions and policy of management regarding authoring and web presentation systems have been incorporated into its evolving business model.
- Information on how the SYS-ED training service is being developed to meet regulations in the United States and international standards is available at www.computeredtech.com.

Quality of Service: Bandwidth



- Prior to accepting a distance-learning assignment, it is standard practice to review the client's transmission delivery infrastructure.
- The prospective client will be required to confirm the external quality of service to the geographic locations of the training and internal service for multi-directional delivery of data through the local area network to the intended audience.

Quality of Service: Classroom Management Systems



- An important component of a quality distance-learning service is the utilization of a classroom management system.
- At the present time, most classroom management systems are designed for utilization in local or wide areas networks within a single secured organization.
- There can be practical limitations and shortcomings when utilizing a classroom management system in a distance-learning environment across geographically dispersed locations.
- This issue is addressed prior to entering into a contract to conduct a course.

SYS-ED

Web-based Training



- The availability of SYS-ED web-based courses can be reviewed from:
 - 1 - SYS-ED course search engine.
 - 2 - SYS-ED categorized and software specific websites.
- A central location for reviewing web-based curriculum is:
<http://www.sysed.com/dlearn/distlearn.asp>
- Not all courses are suitable and available for web-based delivery of subject matter.

Walkthrough - Example

Reviewing and Enrolling in a **SYS-ED** Web-based Course

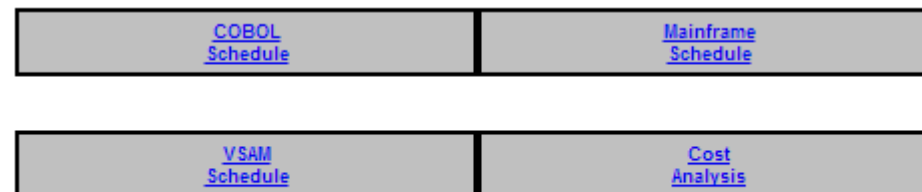
SYS-ED Distance-learning Schedule



1. Starting from a software specific website.

Example - COBOL Programming

- Starting from www.coboltrainingbysysed.us, invoke the COBOL Schedule button.



TSO/ISPF, VSAM, and z/OS are registered trademarks of IBM Corporation.

- The SYS-ED COBOL schedule will be presented.

Example: COBOL Schedule



SYS-ED courses are not intended for or available to the general public. They are only available to employees from Fortune 1000 companies, government municipalities, consulting companies, healthcare providers, and mid-sized businesses.

[Content Delivery - Cost Analysis](#)



[Distance-learning Service](#)



[Schedule a Consultation](#)



Effective February 27, 2012, the course dates listed on the SYS-ED schedules only will be available based upon approved and authorized user ID.

Mainframe					
Course ID	Course Title	Interactive Subject Matter Expert		Fee	Dates
MFPRG04	COBOL Programming (5 days)	Classroom Instruction	Web-based Training	\$1,995	
MFPRG05	COBOL Programming - Advanced (5 days)	Classroom Instruction	Web-based Training	\$1,995	
MFPRG06	COBOL Debugging (3 days)	Classroom Instruction	Web-based Training	\$1,795	
MFPRS09	Enterprise COBOL (3 days)	Classroom Instruction	Web-based Training	\$1,785	

Recommendation:

Course titles frequently vary from vendor to vendor and even within the listings of the source software company. Make sure that the topics in a course title match your operational objectives.

Tailored versions of SYS-ED course offerings are available for [on-site sessions](#) at your location.

SYS-ED Schedules



- Invoking the Web-based Training icon will indicate whether the course is available through the SYS-ED schedule in a distance-learning format.



- When the Course ID and Course Title are presented on screen with performance objectives, hands-on exercises, and course dates, this indicates that the course is available in conjunction with the SYS-ED schedule.
- A course outline can be requested using the online form.

Availability of a Course in a Web-based Delivery Medium



- When the distance-learning center screen is presented after being invoked from a Course ID row selection; this indicates that the course is not available in a distance-learning delivery medium in conjunction with the SYS-ED schedule.

Course Unavailable in a Web-based Medium



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[Distance-learning](#)

[Home](#)

[Definition of Service](#)

[Why Web-based Training](#)

[Web-based Training by SYS-ED](#)

[Technology Driven Classrooms](#)

[Enrollment](#)

[Contact Us](#)

[Advanced search](#)

This service is being developed and marketed based upon the standards and regulations of the New York State Department of Education, Bureau of Proprietary School Supervision, Sections 5001 through 5010 of Education Law and Part 125 of the Regulations of the Commissioner of Education.

distance-learning center

[Bandwidth](#)

[Classroom](#)

[Bi-directional Communication](#)



Professional Distance-learning IT Training Services

A telephone consultation can be requested to ascertain whether the course can be presented on a private basis through a web-based delivery medium.

SYS-ED Web-based Training Schedule



2. Starting from the course search engine: www.sysed.com/shared/search_engine.asp

The course search engine reflects our [longstanding experience](#) as leading edge implementers of evolutionary and emerging software technology. It provides a straightforward approach for locating and reviewing information on industry standard subject matter, consultancy derived content, and tailored educational consultancy.

		
Technology Driven IT Training	Web-based Training Services	Teaching Models

Our training services and courses have been developed in accordance with the classic principles of adult learning theory. Core curriculum to be offered in the public domain have been submitted to the New York State Department of Education Bureau of Proprietary School Supervision. Courses are available for presentation by a subject matter expert in a traditional classroom, technology driven classroom environments, or web-based delivery medium.

The Computer Education Techniques courseware library is being migrated for [web-based content delivery](#).

This service will be available:


as an extension of the SYS-ED course schedule.	through asynchronous learning with a subject matter expert.	through a client's delivery system.	through synchronous self-paced e-learning.
--	---	-------------------------------------	--

Additional information is available from SYS-ED's software specific and categorized websites: learning paths, technology updates, common questions, training aids, and delivery medium.

Course Search Engine: COBOL - Example - 1



**Initiating a query for
researching COBOL training.**

 [Advanced search](#)

SYS-ED[®]
Specialized Software Education

Advanced Search

Search for:

Search for Course ID

The results of a search on the COBOL keyword using the course search engine are displayed on the next screen.

Course Search Engine: COBOL - Example - 2



Application Development :: .NET Programming		
Course ID	Course Title	Duration
MSPRG73	COBOL.NET	4 days
Application Development :: Java Programming		
Course ID	Course Title	Duration
WBDEV19	Java for COBOL Programmers	5 days
z/OS Mainframe :: Programming Languages		
Course ID	Course Title	Duration
MFPRG04	COBOL Programming	5 days
MFPRG05	COBOL Programming - Advanced	5 days
MFPRG06	COBOL Debugging	3 days
MFPRG17	COBOL Programming with Net Express	3 days
MFPRG39	COBOL: Object Oriented	5 days
MFPRG43	Structured COBOL	2 days
MFPRG45	COBOL: Object Oriented - Elements	5 days
MFPRG46	Structured COBOL - TC	2 days
MFPRS09	Enterprise COBOL	3 days
MFPRS23	COBOL Dumps and Debugging	3 days
MSPRG83	COBOL Optimization Techniques	3 days
MSPRG84	COBOL Programming Techniques	2 days

Course Search Engine: COBOL - Example - 3



- The screen on the next page is presented by invoking Course ID - MFPRG04 COBOL Programming from the search query table.
- This information is provided:
 - Duration
 - Fee
 - Audience
 - Dates
 - Major Topics

Course Search Engine: COBOL - Example - 4



SYS-ED
Specialized Software Education

MFPRG04

[Enrollment
Home](#)



[Why Web-based Training](#)
[Why Web-based Training by SYS-ED](#)
[Distance Learning Center](#)

[Submit IT Questions](#)

COBOL Programming

DURATION: 5 days

FEE: \$1,995
Call for group fee.

AUDIENCE:

- Programmer
- System Analyst
- IT Professional

DATES:

MAJOR TOPICS:

- COBOL essentials
- Writing a program that prepares a report
- Design, code, and test a structured program
- Features for structured coding
- How to define, move, and initialize fields
- Intrinsic functions and arithmetic statements
- Working with dates
- Working with characters
- Tables
- Copy members and subprograms
- Concepts and terms for working with disk files

[Have a Training Consultant Contact Me](#)

[Send Me a Comprehensive Outline](#)

[Distance Learning](#)

[Private Course - Tailored](#)

[Cost Analysis](#)

Effective February 27, 2012, the course title listed on the SYS-ED schedule only will be database listed upon approval and authorized user ID. Client organizations will be assigned to a preference order.

The course material and training aids utilized in SYS-ED courses are from multiple sources: wholly original courseware generated by staff members, licensed materials from satellite instructors and training partners, handbooks, public sources from the Internet, and source vendor's documentation. A variety of formats are utilized in order to effectively teach different types of software.

SYS-ED has the resources to implement client-specific web-based training services.

- Not all courses are available for delivery in a distance-learning medium.
- Not all web-based courses are available to be licensed.
- Not all courseware is available to be licensed.

Contact our office for additional information.

Copyright Acknowledgement: The software product(s) listed in this outline are owned and copyrighted by their respective companies. SYS-ED makes no representation regarding ownership in any of the software products that we train on.

SYS-ED courses are not intended for or open to the general public. They are intended for employees of Fortune 1000 companies, government municipalities, consulting companies, software companies, healthcare providers, and mid-sized businesses. Individuals attending a SYS-ED course will be required to execute a statement that the employer has a license or use of the software.

Course Search Engine: COBOL - Example - 5



- There also will be links for information specific to that course.
- There is a rectangular gray button with a link to distance-learning.
- Invoking that button will present a screen either with:
 - 1 - Course dates, performance objectives, hands-on exercises and case studies included with the lesson plan for conducting the course in a distance-learning delivery medium
 - 2 - The SYS-ED Distance-learning Center.

1 - Distance-learning is Available



Professional Distance-learning IT Training Services

MFPRG04

FEE: \$1,995

PRIVATE GROUP FEE: \$

Based upon a class size of six students.

Scheduling can be adjusted to employee work hours and incorporate client assignments.

SMALL CLASS SIZE:

There is a surcharge associated with training two or fewer students.

AUDIENCE:

- Programmer
- System Analyst
- IT Professional

DATES:



Web-based Training Services

Quality Distance-learning

[Network Requirements](#)
[Classroom Management Program](#)
[Professional Communication](#)

COBOL Programming

DURATION: 5 days

HANDS-ON TRAINING:

1. Introduction
 - Compile and run a program.
 - Read and locate error messages.
 - Code, compile, and test a program.
 - Examine code with minor errors; repair the errors.
2. COBOL Essentials
 - Use a COPY command to insert COBOL source at compile time.
 - Code a program to display date, character, and numeric data.
 - The instructor will provide a COPYBOOK containing a set of data fields.
 - How to print and carry out field manipulation.
3. Writing a Program Which Prepares a Report
 - The use of conditional statements for changing report output.
 - Code a simple I/O report program.
 - Given an input dataset, read all the data, and print a simple multi-page report.
4. Design, Code, and Test a Structured Program
 - Use structured programming techniques.
 - Given a poorly designed program, identify the problems with the program and generate a list of associated fixes.
5. Structured Coding
 - Use the EVALUATE statement.
 - Given a program with associated values, the program will execute logic for each valid value and error logic for an invalid value.
6. How to Define, Move, and Initialize Fields
 - The use of data fields and redefined fields.
 - Code the main INITIALIZE statement.
 - Reformat the data from an input dataset into an output dataset.
7. Intrinsic Functions and Arithmetic Statements
 - Use system and character manipulation functions.
 - Formatting dates and Social Security numbers.
8. Working with Dates
 - Use the date built-in functions.
 - Create an accounts receivable aging report using the date functions.
9. Working with Characters
 - Code and test routines to perform character manipulation.
 - Input data and remove bad characters and reformat the string data.
10. Tables
 - Create a table accessed from a subscript.
 - Create a table accessed from an index.
 - Search a table with the SEARCH and SEARCH ALL commands.
 - Code and test a program that searches a table with an index, uses a sequential search with the SEARCH command, and performs a binary search with a SEARCH ALL command.
11. Copy Members and Subprograms
 - Code and test subroutines.
 - Given an algorithm, code the routines, and pass data to and from the routines.
 - Complete the exercises with a nested program.
12. Concepts and Terms for Working with Disk Files
 - The use of SMS and the effects on datasets' location and storage retention.
 - The concepts for evaluating EBCDIC counts.

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2 - Distance-learning is Not Available



- When the Distance-learning Center screen is presented after being invoked from a Course ID row selection, this indicates that the course is not available in a distance-learning delivery medium in conjunction with the SYS-ED schedule.
- A telephone consultation can be requested to ascertain whether the course can be presented on a private basis through a web-based delivery medium.

2 - Distance-learning is Not Available - 2



Distance-learning

Home

[Definition of Service](#)
[Technician Class Classrooms](#)

[Web-based Training](#)
[Equipment](#)

[Web-based Training to SYS-ED](#)
[Contact Us](#)

Search

This service is being developed and realized based upon the standards and regulations of the New York State Department of Education, Bureau of Proprietary School Supervision: Sections 8001 through 8010 of Education Law and Part 120 of the Regulations of the Commissioner of Education. Effective February 27, 2012, the course dates listed on the SYS-ED schedules only will be available based upon approval and authorized user ID. Client organizations will be assigned to a preference center.

distance-learning center

Records	Classes	Biographical Information
Professional Distance-learning IT Training Services		

SYS-ED training services are available in a web-based learning format. A distance-learning course is 85% lecture with the remaining 15% provided in the form of hands-on exercises, optional violation assessment, and scheduled interactive question and answer sessions with a subject matter expert. The guidelines prescribed in adult learning theory are applied in qualifying our distance-learning service with a prospective client.



Selector of Delivery Medium

Mainframe Curriculum

CICS Transaction Service	COBOL	DB2
IMS	Economic Languages	BRCS
SAS	VSAM	WebSphere MQ



Enrolling in a Course - 1

- Enrollment can be made online from the home page of any SYS-ED website or directly from the following url:
 - <http://www.sysed.com/regform.asp>

SYS-ED
Specialized Software Education

Since 1980

Enrollment [Back](#)

[Schedules](#) [SYS-ED Catalog](#) [Cost Analysis](#)

[Transportation to Manhattan and Hotels](#) [Submit IT Questions](#) [Contact Us](#)

[Advanced search](#)

Assessments	
Computer Applications	UNIX
Mainframe	Java

Status

SYS-ED has been conducting courses in the public domain since 1980; however, there have been changes in the laws and regulations governing computer training in the state of New York. The schedule on our website reflects a projected time frame for licensure with the New York State Department of Education - Bureau of Proprietary School Supervision and submission and approval of curriculum. It will be updated every quarter.

In the interim, we will continue to provide training at the client location for small groups and upon request one-on-one training at the client location.

Enrolling in a Course - 2



Prior to enrollment in a SYS-ED course, it is a requirement that the organization sponsoring the employee for training receive a catalog.

To enroll, the following information needs to be provided.

Authorized Purchaser - Invoices will be sent to:

<p>* First Name <input type="text"/></p> <p>Title <input type="text"/></p> <p>* Address <input type="text"/></p> <p>* City <input type="text"/></p> <p>* Zip/Postal Code <input type="text"/></p> <p>* Daytime Phone <input type="text"/></p> <p>Fax <input type="text"/></p> <p>Please keep me on your mailing list for future events <input type="checkbox"/></p> <p>Payment Type Authorized by: <input type="text"/></p>	<p>* Last Name <input type="text"/></p> <p>Organization <input type="text"/></p> <p>Address 2 <input type="text"/></p> <p>* State <input type="text"/></p> <p>Country USA <input type="text"/></p> <p>Evening Phone <input type="text"/></p> <p>* E-mail Address <input type="text"/></p> <p>Yes <input checked="" type="radio"/> No <input type="radio"/></p> <p>Check <input type="checkbox"/> <input type="text"/></p> <p>If purchase order, P.O. number <input type="text"/></p>
---	--

Student Name(s): Confirmations will be sent to:

Student Name(s): Confirmations will be sent to:			Course Description	Date	Fee
First Name	Last Name	E-mail	Course Name		
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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