Course Title: Introduction to Mainframe Computing I

Course Description:
Introduction to the Mainframe, Z/OS basics, TSO/ISPF and JCL

Course Prerequisite(s): none

Course Objectives:
Demonstrate knowledge of Z/OS concepts, identify key components of a Z/OS system; logon to TSO/ISPF, browse and edit datasets, create and submit JCL for batch processing and view job output.

Next Class Possibilities:
Introduction to Mainframe Computer II

Textbook(s):
Murach’s OS/390 and Z/OS JCL

Lesson Plan – by week or session
Session 1: Mainframes in today’s business
Introduction to Z series hardware and Z/OS
Lab: logging on to TSO/ISPF

Session 2: How Z/OS manages data
How to use to ISPF editor
Introduction to JCL
Lab: editing in ISPF

Session 3: How Z/OS manages virtual storage
Submitting jobs and viewing output in ISPF
JCL basics
Lab: submitting a job and viewing output

Session 4: ISPF data utility functions
Managing job and program execution
JCL for DASD datasets
Lab: creating and submitting JCL

Session 5: Advanced ISPF edit and utility features
JCL for tape and print datasets
Lab: creating and submitting JCL (cont’d)

Session 6: A Z/OS production environment
Wrap-up