

## SYS-ED Mainframe Private Courses 11/2/81 - 7/18/88

### Course Codes

100=MVS FUNDAMENTALS	101=MVS/JCL	103=TSO/ISPF
105=DOS VSE/JCL	106=VM/CMS	107=VS COBOL II
110=Assembler Programming	114=DOS/VSE for System Programmers	115=VM for Systems Programmers
130=TP Network Fundamentals	131=VTAM for Operators	132=SNA
200=CICS Overview	201=CICS Application Design	202=CICS Command Level
203=CICS Macro Level	204=CICS Internal Architecture	207=CICS Debugging
210=CICS System Interconnection	222=CICS Advanced Programming	230=CICS InterTest
231=EDF	300=VSAM Overview	301=VSAM for Programmers
302=VSAM: Structure and Strategies	303=VSAM Performance & Tuning	400=IMS Concepts and Facilities
401=IMS DB DL/1 Application Programming	402=IMS DC & Message Format Services	403=IMS Structured Design
404=IMS Utilities	405=IMS Recovery & Restart	700=DB2 Concepts and Facilities
701=DB2 Database Design	702=DB2 SQL Application Programming	703=DB2 Intersystem Interconnection
704=DB2 & CICS	705=SQL/DS Application Programming	710=DB2 Systems Performance
803=Structured Design	804=Structured Analysis	805=Structured Testing

DATE - mm/dd/yyyy	CLIENT	Code #	DAYS
11/02/1981	New York Times	201	4
11/09/1981	New York Times	202	5
12/07/1981	New York Times	201	4
01/25/1982	New York Times	201	4
01/25/1982	New York Times	202	5
03/29/1982	Blue Cross - West Virginia	202	5
04/26/1982	4300 User Group/Ryder Systems	204	5
05/3/1982	International Paper	201	4
05/17/1982	Combined Insurance	202	5
05/24/1982	Pittsburgh National Bank	202	5
06/7/1982	International Paper	202	4
06/12/1982	CGA-Baltimore, Maryland	202	5
06/14/1982	State Mutual Life Assurance	202	5
06/22/1982	SMUD: Sacramento Municipal Utility District	201	4
06/26/1982	4300 User Group/Ryder	202	5
08/2/1982	Midwestern State University	202	5
08/16/1982	ALMSA - United States Army	202	5
08/30/1982	Carpenter's Fund	202	5
09/13/1982	State Mutual Life Assurance	202	5
09/20/1982	Price Waterhouse	202	5
09/27/1982	Price Waterhouse	201	4
10/18/1982	State Mutual Life Assurance	202	5
11/15/1982	Liberty Life Insurance	202	5
11/15/1982	SMUD: Sacramento Municipal Utility District	202	5
12/27/1982	Combined Insurance	201	4
02/14/1983	SCRTD: Southern California Rapid Transit District (Peat, Marwick)	202	5
02/28/1983	SCRTD: Southern California Rapid Transit District (Peat, Marwick)	201	4
03/22/1983	S.C. Data Center Economy Fire & Casualty	202	5
03/28/1983	SMUD: Sacramento Municipal Utility District	302	5
05/2/1983	WATS: Worcester Area Trainers - State Mutual Life Assurance	201	4
06/10/1983	State Mutual Life Assurance	203	5
06/13/1983	CCH Computax	302	5
06/27/1983	DARCOM - US Army	202	5
07/11/1983	United States Department of Energy	202	5
08/9/1983	Savin Corporation	201	4
08/15/1983	BRS	200	1
08/16/1983	BRS	204	5
08/23/1983	Persetel	200	1
08/24/1983	Persetel	200	4
08/30/1983	Persetel	204	5
09/12/1983	Vigortone AG Products	302	5
10/3/1983	United States Department of Energy	202	5
10/3/1983	Pittsburgh National Bank	202	5
10/4/1983	MIS Training Institute	200	1
10/7/1983	Ryder Systems	300	1
10/11/1983	Vigortone AG Products	201	4
10/17/1983	Pittsburgh National Bank	202	5
10/30/1983	OCLC	302	5
11/1/1983	Princess Tours	201	4

DATE - mm/dd/yyyy	CLIENT	Code #	DAYS
11/28/1983	Alco Standard Corporation	202	5
11/28/1983	State Mutual Life Assurance	203	5
12/5/1983	State Mutual Life Assurance	202	5
12/27/1983	Savin Corporation	202	5
01/09/1984	Global Software	202	5
01/11/1984	Bank One	301	3
01/11/1984	State Mutual Life Assurance	202	5
01/16/1984	Persetel	201	4
01/23/1984	Persetel	204	5
02/06/1984	Alco Standard Corporation	201	4
03/05/1984	Pittsburgh National Bank	202	5
03/10/1984	IMI Systems	401	4
03/12/1984	State Mutual Life Assurance	201	5
03/19/1984	Bank One	301	3
03/19/1984	Life Technologies	202	5
03/21/1984	Bank One	302	5
03/26/1984	Persetel	201	4
04/01/1984	Persetel	204	5
04/09/1984	Bank One	302	2
04/16/1984	Ed Phillips & Sons	202	5
04/16/1984	Pittsburgh National Bank	201	4
04/23/1984	Ed Phillips & Sons	201	4
04/30/1984	American United Life Insurance	201	4
05/12/1984	IMI Systems	402	5
06/11/1984	Alverno Administrative Services	203	5
06/21/1984	State Mutual Life Assurance	202	5
06/25/1984	Armco	302	5
06/25/1984	USDA Graduate School - Social Security Administration	203	5
07/09/1984	Haworth	202	5
07/09/1984	Persetel	201	4
07/16/1984	Persetel	202	5
07/30/1984	Houston Lighting and Power	201	4
08/13/1984	Fidata	302	5
09/04/1984	State Mutual Life Assurance	201	4
09/17/1984	Bendix Corporation	302	5
09/24/1984	Alco Standard Corporation	202	5
10/01/1984	G.C. Murphy Company	202	5
10/09/1984	First National State Bank	202	5
10/22/1984	Newport News Shipbuilding	301	5
10/29/1984	Pittsburgh National Bank	207	4
11/05/1984	Pacific Mutual Life Insurance	202	5
11/26/1984	Life Technologies	302	5
11/26/1984	Newport News Shipbuilding	301	3
12/03/1984	United Engineers	201	4
12/10/1984	New Castle County Data Center	202	5
01/07/1985	Global Software	202	4
01/14/1985	Procter & Gamble	302	5
01/21/1985	State Mutual Life Assurance	203	5
02/04/1985	Manufacturers Hanover Trust	202	5
02/04/1985	State Mutual Life Assurance	202	5
02/11/1985	Rockwell International	302	5
03/26/1985	Procter & Gamble	302	5
04/02/1985	Alco Standard Corporation	301	3
04/29/1985	Pittsburgh National Bank	202	5
04/29/1985	Union Labor Life Insurance	101	5
05/06/1985	Alco Standard Corporation	202	5
05/08/1985	S.C. Data Center	301	3
05/13/1985	Pacific Mutual Life Insurance	201	4
05/15/1985	Life Technologies	105	3
05/20/1985	Bank One and MOTC: Mid Ohio Training Consortium	202	5
05/29/1985	Manufacturers Hanover Trust	107	2
06/03/1985	Bank One	302	5
06/03/1985	State Mutual Life Assurance	202	5
06/07/1985	Geisenger	202	5
06/10/1985	Sandia National Laboratories	202	5
06/24/1985	American Express	401	5
07/02/1985	Alco Standard Corporation	208	1
07/08/1985	American Express	402	5
07/08/1985	State Mutual Life Assurance	202	5

DATE - mm/dd/yyyy	CLIENT	Code #	DAYS
07/18/1985	Ernst & Whinney	200	2
07/22/1985	ITC: Indianapolis Training Consortium	202	5
08/05/1985	Blue Cross -West Virginia	202	5
08/23/1985	Harper & Row	207	2
08/26/1985	McKesson Corporation	202	5
09/09/1985	JC Penny	202	5
09/16/1985	Bank One	202	5
09/16/1985	Blue Cross - West Virginia	109	5
09/16/1985	Houston Lighting and Power	302	5
09/23/1985	Bank One	302	5
09/24/1985	Houston Lighting and Power	201	4
10/07/1985	State Mutual Life Assurance	202	5
10/14/1985	MCI	202	5
10/15/1985	State Mutual Life Assurance	201	4
11/04/1985	Newport News Shipbuilding	302	5
11/11/1985	ITC: Indianapolis Training Consortium	202	5
11/18/1985	Newport News Shipbuilding	302	5
11/02/1985	MCI	201	4
12/09/1985	Alyeska	202	5
12/16/1985	MCI	207	4
12/16/1985	Safeway Stores	202	5
12/16/1985	Tootsie Rolls	302	5
01/20/1986	Universal Computing Center	202	5
02/03/1986	State Mutual Life Assurance	202	5
02/10/1986	Washington University - St. Louis, Missouri	405	2
02/24/1986	ITC: Indianapolis Training Consortium	202	5
02/24/1986	Pittsburgh National Bank	201	4
03/03/1986	MCI	202	5
03/05/1986	ITC: Indianapolis Training Consortium	132	1
03/10/1986	MOTC: Mid Ohio Training Consortium	302	5
03/10/1986	Nestle	202	5
03/15/1986	Washington University - St. Louis, Missouri	401	4
03/17/1986	Amdahl	202	5
03/17/1986	ITC: Indianapolis Training Consortium	202	5
03/17/1986	Safeway Stores	222	5
03/24/1986	MCI	201	4
04/21/1986	MCI	202	5
04/28/1986	PanAm	202	5
04/28/1986	Pittsburgh National Bank	207	5
04/28/1986	Safeway Stores	301	3
05/01/1986	Safeway Stores	303	2
05/05/1986	Pacific Bell	107	1.5
05/05/1986	Safeway Stores	222	2
05/06/1986	Pacific Bell	107	1.5
05/12/1986	MCI	202	5
05/13/1986	MCI	107	2
05/15/1986	MCI	107	2
05/19/1986	MCI	230	1
05/19/1986	MCI	207	4
05/22/1986	Ciba-Geigy	303	2
06/02/1986	MCI	204	5
06/09/1986	Chicago Sun Times	302	5
06/09/1986	MCI	107	2
06/17/1986	MCI	201	4
06/17/1986	PanAm	231	1
06/20/1986	PanAm	230	1
06/23/1986	New Castle County Data Center	202	5
06/23/1986	Proctor & Gamble	202	5
06/30/1986	Brooks Fashion	202	4
07/07/1986	Presidio California	202	5
07/07/1986	State of Indiana	201	4
07/14/1986	Bank of America	201	4
07/28/1986	MCI	207	4
08/11/1986	MCI	101	5
08/18/1986	MCI	202	5
08/20/1986	PanAm	303	2
08/25/1986	MCI	701	4
08/25/1986	MOTC: Mid Ohio Training Consortium	302	4
08/25/1986	Washington University - St. Louis, Missouri	115	3

DATE - mm/dd/yyyy	CLIENT	Code #	DAYS
08/28/1986	ITC: Indianapolis Training Consortium	132	1
08/29/1986	MOTC: Mid Ohio Training Consortium	200	1
09/01/1986	SYS-ED - Oslo, Norway	401	5
09/02/1986	State Mutual Life	201	4
09/04/1986	MCI	210	2
09/08/1986	Guardian Life Insurance	107	2
09/08/1986	Guardian Life Insurance	107	2
09/09/1986	PanAm	201	4
09/15/1986	SYS-ED - Oslo, Norway	302	5
09/23/1986	Allegheny Power	201	4
09/09/1986	Midlantic Bank	130	2
09/13/1986	Ciba-Geigy	202	5
10/13/1986	ITC: Indianapolis Training Consortium	202	5
10/14/1986	State of California	107	2
10/20/1986	Ogden Allied	302	5
10/20/1986	Philip Morris	101	2
10/21/1986	Philip Morris	103	2
10/27/1986	MCI	201	4
10/27/1986	New Castle County Data Center	201	4
10/06/1986	MCI	107	2
11/06/1986	PanAm	230	1
11/10/1986	MCI	207	5
11/17/1986	MCI	202	5
11/17/1986	Pittsburgh National Bank	207	4
11/17/1986	State Mutual Life Assurance	202	5
11/24/1986	Bank One	107	2
11/24/1986	Washington University - St. Louis, Missouri	404	2
12/01/1986	Sandia National Laboratories	202	5
12/08/1986	MCI	700	2
12/08/1986	State Mutual Life Assurance	204	5
12/09/1986	DuPont	115	3
12/15/1986	State of Maine	101	5
12/15/1986	MCI	204	5
12/15/1986	SYS-ED - Oslo, Norway	401	5
01/12/1987	MCI	202	5
01/19/1987	SYS-ED - Oslo, Norway	101	5
01/20/1987	MCI	201	4
01/26/1987	MCI	207	4
02/09/1987	Ogden Allied	101	3
02/09/1987	SYS-ED - Oslo, Norway	202	5
02/09/1987	State of Indiana	201	4
02/16/1987	ITC	222	3
02/17/1987	MCI	107	2
02/23/1987	State Mutual Life Assurance	202	5
03/02/1987	MCI	302	5
03/10/1987	MCI	107	4
03/16/1987	MCI	204	5
03/16/1987	Safeway Stores	202	5
03/17/1987	SYS-ED - Oslo, Norway	702	4
03/21/1987	Woodbury	202	5
03/23/1987	Bank One	301	4
03/23/1987	MCI	202	5
03/23/1987	SYS-ED - Oslo, Norway	401	5
03/30/1987	DPMA: Data Processing Management Association	202	5
03/30/1987	Minolta	101	4
03/30/1987	SYS-ED - Oslo, Norway	204	5
04/01/1987	Ciba-Geigy	804	3
04/02/1987	MCI	200	2
04/06/1987	General Foods	200	1
04/06/1987	SYS-ED - Oslo, Norway	302	5
04/13/1987	ComputerAid- Bethlehem Steel	402	5
04/20/1987	MCI	700	1
04/20/1987	Minolta	101	5
04/21/1987	MCI	702	3
04/24/1987	MCI	700	1
04/27/1987	General Foods	202	5
04/27/1987	Harnischfeger	301	3
04/27/1987	Ogden	101	3
04/29/1987	MCI	700	1

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05/04/1987	MCI	702	4
05/04/1987	MCI	201	4
05/05/1987	Detroit Medical Center	107	2
05/14/1987	MCI	107	2
05/15/1987	MCI	703	1
05/18/1987	Chicago Sun Times	202	5
05/19/1987	Pepsico	106	3
05/22/1987	MCI	201	4
05/27/1987	Harnischefeger	301	3
05/27/1987	Sterling Drug	109	3
05/28/1987	MCI	303	2
06/01/1987	SYS-ED - Oslo, Norway	202	5
06/02/1987	MCI	702	4
06/03/1987	Guardian Life Insurance	107	3
06/03/1987	Sterling Drug	109	2
06/08/1987	MCI	204	5
06/08/1987	MCI	703	1
06/08/1987	State Mutual Life Assurance	201	4
06/09/1987	SYS-ED - Oslo, Norway	302	4
06/15/1987	Bank One	302	4
06/15/1987	Morton Thiokol	201	4
06/19/1987	DPMA: Data Processing Management Association	0	8
06/22/1987	BRS	302	5
06/29/1987	MCI	700	1
06/30/1987	MCI	703	1
06/30/1987	MCI	201	2
07/01/1987	Guardian Life Insurance	107	2
07/07/1987	MCI	702	4
07/09/1987	MCI	400	1
07/10/1987	MCI	400	1
07/13/1987	MCI	401	5
07/13/1987	MCI	302	5
07/13/1987	MCI	700	1
07/14/1987	MCI	702	4
07/20/1987	MCI	701	4
07/27/1987	Allegheny Power	401	5
07/27/1987	Blue Cross Maine	204	5
07/29/1987	Ciba-Geigy	805	3
08/01/1987	MCI	700	1
08/10/1987	MCI	701	4
08/17/1987	MCI	700	1
08/17/1987	MCI	207	4
08/17/1987	Midlantic Bank	202	5
08/17/1987	Minolta	101	5
08/17/1987	SYS-ED - Oslo, Norway	302	5
08/18/1987	MCI	702	4
08/21/1987	MCI	230	1
08/24/1987	MCI	400	1
08/24/1987	MCI	202	5
08/24/1987	MCI	400	1
08/24/1987	Midlantic Bank	301	3
08/24/1987	SYS-ED - Oslo, Norway	202	5
08/25/1987	MCI	405	1
08/25/1987	Pittsburgh National Bank	107	2
08/28/1987	MCI	404	2
08/31/1987	Bank One	302	4
08/31/1987	MCI	401	4
08/31/1987	SYS-ED - Oslo, Norway	201	4
08/31/1987	SYS-ED - Oslo, Norway	207	4
08/31/1987	State Mutual Life Assurance	203	5
09/04/1987	Bank One	200	1
09/08/1987	MCI	702	4
09/08/1987	MCI	201	4
09/08/1987	SYS-ED - Oslo, Norway	130	2
09/09/1987	MCI	400	1
09/09/1987	Pittsburgh National Bank	222	3
09/10/1987	MCI	303	2
09/10/1987	MCI	400	1
09/14/1987	MCI	401	5

DATE - mm/dd/yyyy	CLIENT	Code #	DAYS
09/14/1987	MCI	210	2
09/14/1987	PanAm	202	5
09/14/1987	Pittsburgh National Bank	202	5
09/15/1987	Cooperative Computing Center	201	4
09/16/1987	MCI	405	1
09/17/1987	MCI	107	2
09/17/1987	MCI	404	2
09/21/1987	SYS-ED - Oslo, Norway	400	1
09/22/1987	MCI	701	4
09/22/1987	SYS-ED - Oslo, Norway	702	4
09/25/1987	MCI	400	1
09/28/1987	MCI	700	1
09/29/1987	DPMA: Data Processing Management Association	0	4
09/29/1987	MCI	702	4
10/06/1987	ComputerAid	705	4
10/08/1987	MCI	400	1
10/09/1987	MCI	400	1
10/12/1987	Read Stead Morrell - London, England	700	1
10/13/1987	ComputerAid	705	4
10/13/1987	CSI	702	4
10/13/1987	Pittsburgh National Bank	201	4
10/13/1987	Read Stead Morrell - London, England	702	4
10/14/1987	MCI	700	1
10/14/1987	Sterling Drugs	109	6
10/19/1987	McKesson Corporation	202	4
10/19/1987	SYS-ED - Oslo, Norway	401	5
10/26/1987	ComputerAid	301	3
10/26/1987	MCI	202	4
10/26/1987	SYS-ED - Oslo, Norway	302	5
10/26/1987	SYS-ED - Oslo, Norway	202	5
10/27/1987	MCI	400	1
10/28/1987	MCI	400	1
10/30/1987	MCI	400	1
11/01/1987	United Parcel Service	804	5
11/02/1987	Amtrak	201	4
11/02/1987	ComputerAid	202	5
11/02/1987	Midlantic Bank	401	5
11/02/1987	Pittsburgh National Bank	110	5
11/04/1987	ComputerAid	301	3
11/09/1987	DISC	202	5
11/09/1987	MCI	109	5
11/10/1987	MCI	201	4
11/12/1987	MCI	400	1
11/13/1987	MCI	400	1
11/16/1987	ComputerAid	301	3
11/16/1987	MCI	700	1
11/16/1987	Pittsburgh National Bank	207	4
11/16/1987	United Parcel Service	0	3
11/17/1987	MCI	702	4
11/20/1987	Pittsburgh National Bank	230	1
11/30/1987	Amtrak	202	5
11/30/1987	ComputerAid	202	5
11/30/1987	ComputerAid	202	5
11/30/1987	State Mutual Life Assurance	202	5
12/01/1987	Software Education Corporation	302	1
12/07/1987	Doubleday	222	3
12/09/1987	Quantico - United States Marines	301	3
12/14/1987	MCI	701	1
12/14/1987	United Parcel Service	402	5
12/15/1987	MCI	701	4
12/21/1987	MCI	400	1
01/11/1988	Amtrak	401	5
01/11/1988	State of Massachusetts - OMIB	109	5
01/19/1988	Quantico - United States Marines	107	4
01/25/1988	ComputerAid	301	3
01/01/1988	Amtrak	207	4
02/05/1988	MCI	700	1
02/08/1988	MCI	700	1
02/09/1988	MCI	702	1

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02/17/1988	Pittsburgh National Bank	222	3
02/22/1988	MCI	400	1
02/22/1988	MCI	301	3
02/23/1988	MCI	400	1
02/25/1988	MCI	107	2
02/29/1988	MCI	202	5
02/29/1988	Safeway Stores	301	3
03/07/1988	MCI	109	5
03/08/1988	MCI	201	4
03/14/1988	MCI	201	2
03/21/1988	MCI	701	4
03/21/1988	MCI	700	1
03/21/1988	MCI	700	1
03/22/1988	MCI	400	1
03/22/1988	MCI	702	4
03/22/1988	MCI	400	1
03/28/1988	MCI	403	5
03/28/1988	MCI	404	1
03/28/1988	McKesson Corporation	231	5
04/06/1988	MCI	710	1
04/06/1988	Memorial Sloan	702	4
04/11/1988	Dun & Bradstreet	231	1
04/11/1988	MCI	202	5
04/12/1988	Citibank	109	3
04/12/1988	Dun & Bradstreet	231	1
04/13/1988	Dun & Bradstreet	231	1
04/18/1988	MCI	207	4
04/22/1988	MCI	230	1
04/25/1988	MCI	400	1
04/25/1988	Equitable Life Insurance	106	2
04/25/1988	ITC: Indianapolis Training Consortium	201	4
04/25/1988	Pittsburgh National Bank	110	5
04/25/1988	Royal Insurance - Consortium Training	303	2
04/25/1988	United Parcel Service	401	5
04/26/1988	United Parcel Service	0	3
05/02/1988	MCI	401	5
05/02/1988	Safeway Stores	103	5
05/09/1988	MCI	201	4
05/09/1988	Safeway Stores	202	5
05/13/1988	Bank One	200	1
05/16/1988	Home Savings Bank	300	1
05/16/1988	MCI	700	1
05/16/1988	MCI	107	2
05/17/1988	Home Savings Bank	302	3
05/17/1988	MCI	702	4
05/23/1988	Blue Cross - Maine	303	2
05/23/1988	Home Savings Bank	301	3
05/23/1988	State Mutual Life Assurance	202	5
05/23/1988	State of Indiana	403	5
05/26/1988	Home Savings Bank	303	2
05/31/1988	MCI	201	2
06/01/1988	Dun & Bradstreet	207	2
06/01/1988	MCI	400	1
06/03/1988	MCI	303	2
06/10/1988	State of Indiana	202	5
06/13/1988	Quantico - United States Marines	302	5
06/13/1988	BASF	702	4
06/20/1988	State Mutual Life Assurance	202	5
06/20/1988	MCI	700	1
06/21/1988	MCI	701	5
06/27/1988	Dun & Bradstreet	110	5
06/27/1988	MCI	204	5
06/27/1988	State of Indiana	0	5
06/28/1988	Dun & Bradstreet	207	2
06/18/1988	MCI	109	5
06/18/1988	City of New York	0	4
06/18/1988	ITC: Indianapolis Training Consortium	109	5