Seq. No.	Who Presents	Num Pages	Length Minutes	Starting Time	Updated 07/07/24 Topic
					Wednesday October 23
				8:00 AM	Classroom opens (computer and internet setup, coffee)
	TBD		5	8:30 AM	Logistics
1	TBD	TBD	5	8:35 AM	Welcome to the SPICE Training
2	TBD	TBD	35	8:40 AM	SPICE overview
3	TBD	TBD	20	9:15 AM	SPICE conventions
4	TBD	TBD	40	9:35 AM	NAIF IDs and Names
			15	10:15 AM	Coffee Break
5	TBD	TBD	50	10:30 AM	Fundamental concepts of observation geometry
6	TBD	TBD	40	11:20 AM	Intro to kernel files
7	TBD	TBD	30	12:00 PM	Intro to Toolkit: libraries, utilities, applications, documentation
			60	12:30 PM	Lunch
8	TBD	TBD	10	1:30 PM	Using Module Headers
	TBD		10	1:40 PM	Brief demo of Toolkit documentation
	TBD		15	1:50 PM	Lesson #1 Navigating through the SPICE components
	TBD		30	2:05 PM	Lesson #2 Practice building a program: call TK_Version
9	TBD	TBD	10	2:35 PM	An introduction to WebGeocalc (abbreviated)
	TBD		15	2:45 PM	Brief demo of WebGeocalc
			15	3:00 PM	Coffee Break
10	TBD	TBD	10	3:15 PM	An introduction to Cosmographia (abbreviated)
	TBD		15	3:25 PM	Brief demo of Cosmographia
11	TBD	TBD	15	3:40 PM	Time: systems, formats and conversions
12	TBD	TBD	15	3:55 PM	LSK and SCLK (Leapseconds and Spacecraft Clock kernels)
	TBD		5	4:10 PM	Brief Demo of LSK and SCLK
	TBD		5	4:15 PM	Introduction of the Remote Sensing Lesson (5 parts)
	TBD		40	4:20 PM	Lesson #3 Remote Sensing: time conversions
				5:00 PM	End of class
					Thursday October 24
				8:00 AM	Classroom opens
13	TBD	TBD	40	8:30 AM	SPK (Ephemeris information)
	TBD		5	9:10 AM	Brief demo of SPK
	TBD		60	9:15 AM	Lesson #4 Remote Sensing: obtaining target states and positions
			15	10:15 AM	Coffee Break
14	TBD	TBD	40	10:30 AM	Reference Frames and Coordinate Systems in the SPICE Context
15	TBD	TBD	20	11:10 AM	PcK (Planetary constants)
	TBD		5	11:30 AM	Brief demo of PcK
16	TBD	TBD	25	11:35 AM	CK (Orientation information)
	TBD		5	12:00 PM	Brief demo of CK
17	TBD	TBD	20	12:05 PM	FK (Reference frames information)
	TBD		5	12:25 PM	Brief demo of FK
			60	12:30 PM	Lunch
18	TBD	TBD	10	1:30 PM	Using the frames kernel in conjunction with other kernels
	TBD		40	1:40 PM	Lesson #5 Remote Sensing: spacecraft orientation and reference frames
19	TBD	TBD	40	2:20 PM	Geometry Finder Subsystem Overview
			15	3:00 PM	Coffee break
20	TBD	TBD	30	3:15 PM	Computing derived quantities
21	TBD	TBD	30	3:45 PM	DSK (Digital Shape Kernel)
	TBD		5	4:15 PM	Brief demo of DSK
	TBD		40	4:20 PM	Lesson #6 Remote Sensing: computing sub-s/c and sub-solar points
				5:00 PM	End of class

Seq. No.	Who Presents	Num Pages	Length Minutes	Starting Time	Updated 07/07/24 Topic
					Friday October 25
				8:00 AM	Classroom opens
22	TBD	TBD	20	8:30 AM	IK (Instrument information)
	TBD		5	8:50 AM	Brief demo of IK
	TBD		60	8:55 AM	Lesson #7 Remote Sensing: intersecting vectors with a triaxial ellipsoid and with a DSK; computing illumination angles
23	TBD	TBD	10	9:55 AM	Exception handling
24	TBD	TBD	10	10:05 AM	Common Problems - An intro
			15	10:15 AM	Coffee Break
27	TBD	TBD	40	10:30 AM	Dynamic frames: how to define many kinds of reference frames
	TBD		10	11:10 AM	Brief demo of Dynamic frames FK
28	TBD	TBD	20	11:20 AM	The NAIF Server and Horizons Server
29	TBD	TBD	15	11:40 AM	SPICE2 Preview
30	TBD	TBD	10	11:55 AM	SPICE Development Plans
32	TBD	TBD	15	12:05 PM	Summary of Key Points
33	TBD	TBD	10	12:20 PM	Summary and Class Feedback
			60	12:30 PM	Lunch
25	TBD	TBD	35	1:30 PM	Toolkit applications: chronos, spkmerge, mkspk, etc.
	TBD		10	2:05 PM	Brief demo of Toolkit applications
	TBD		45	2:15 PM	Lesson #8 Practice using some toolkit apps: e.g. chronos, commnt, spkdiff, ckbrief, ...
			15	3:00 PM	Coffee break
26	TBD	TBD	30	3:15 PM	Non-Toolkit Apps (Not in generic Toolkits; available from NAIF server)
31	TBD	TBD	30	3:45 PM	Lunar/earth binary PCK and FKs
	TBD		5	4:15 PM	Overview of "Binary PCK" lesson
	TBD		0	4:20 PM	Overview of "Event finding" lesson
	TBD		0	4:20 PM	Overview of "Other Stuff" lesson
	TBD		0	4:20 PM	Overview of "In-situ" lesson
	TBD		40	4:20 PM	Lesson #9 Pick from the above four lessons
				5:00 PM	End of class
		0	Page counts do not include the title page or any backup pages		
					Backup: included in package but not presented
1		TBD			SPICE Story
2		TBD			Porting Kernels
3		TBD			Comments (meta-data) in SPICE kernels
4		TBD			Installing the Toolkit
5		TBD			Preparing for programming
6		TBD			IDL interface to CSPICE
7		TBD			Matlab interface to CSPICE
8		TBD			Introduction to SpiceyPy
9		TBD			Matlab programming example
10		TBD			IDL programming example
11		TBD			C programming example
12		TBD			Fortran programming example
13		TBD			Other useful SPICELIB/CSPICE functions
14		TBD			Reading FK and IK
15		TBD			Making an SPK file
16		TBD			Making a CK file
17		TBD			E-Kernel Overview
18		TBD			SPICE at ESA
		0	Page counts do not include the title page or any backup pages		