

Day 1 Sep. 13					
				1:00 PM	Classroom opens
	Naru/Yukio		60	1:30 PM	Japanese intro to SPICE
1		7	0	2:30 PM	Welcome to the SPICE Tutorials
2		7	0	2:30 PM	Introduction to SPICE
3		29	0	2:30 PM	SPICE overview
4		34	0	2:30 PM	Fundamental concepts of observation geometry
5	Boris	14	10	2:30 PM	SPICE conventions
6	Boris	29	10	2:40 PM	NAIF IDs and Names
7	Nat	23	10	2:50 PM	Intro to kernel files
8		7	0	3:00 PM	Metadata in SPICE kernels
9	Ed	32	10	3:00 PM	Intro to Toolkit: libraries, utilities, applications, documentation
10		8	0	3:10 PM	Using Module Headers
	Boris	0	5	3:10 PM	Brief demo of navigating Toolkit documentation
			30	3:15 PM	Lesson #1 Navigating through the SPICE components
11	Ed	9	10	3:45 PM	Preparing for programming
			30	3:55 PM	Lesson #2 Practice building a program: call TK_Version
12	Ed	10	20	4:25 PM	Time: systems, formats and conversions
13	Nat	14	15	4:45 PM	LSK and SCLK (Leapseconds and Spacecraft Clock kernels)
			0	5:00 PM	Starting the Remote Sensing Lessons: 6 parts
			35	5:00 PM	Lesson #3 Remote Sensing: time conversions
				5:35 PM	End of class
Day 2 Sep. 14					
				8:30 AM	Classroom opens
14	Nat	39	45	9:00 AM	SPK (Ephemeris information)
			60	9:45 AM	Lesson #4 Remote Sensing: obtaining target states and positions
15	Ed	16	15	10:45 AM	PcK (Planetary cartographic and physical constants)
16	Boris	23	30	11:00 AM	CK (Orientation information)
17	Boris	18	20	11:30 AM	FK (Reference frames information)
18	Boris	8	15	11:50 AM	Using the frames kernel in conjunction with other kernels
			60	12:05 PM	Lesson #5 Remote Sensing: spacecraft orientation and reference frames
			45	1:05 PM	Lunch
19	Nat	21	25	1:50 PM	Computing derived quantities
			60	2:15 PM	Lesson #6 Remote Sensing: computing sub-s/c and sub-solar points
20	Ed	22	25	3:15 PM	Other useful SPICELIB/CSPICE functions
21	Boris	28	25	3:40 PM	IK (Instrument information)
22	Boris	2	10	4:05 PM	Reading FKs and IKs
			60	4:15 PM	Lesson #7 Remote Sensing: intersecting vectors with a triaxial ellipsoid and computing illumination angles
23	Nat	20	10	5:15 PM	Exception handling
24	Ed	6	10	5:25 PM	Common Problems - An intro
				5:35 PM	End of class

Day 3 Sep. 15					
				9:30 AM	Classroom opens
25	Boris	35	20	9:30 AM	Toolkit applications: chronos, spkmerge, mkspk, etc.
			35	9:50 AM	Lesson #8 Practice using toolkit apps: e.g. chronos, commnt, spkdiff, ckbrief, ....
26	Ed	37	35	10:25 AM	Other tools (not in generic Toolkit)
27	Boris	10	15	11:00 AM	Summary of Key Points (Getting Started)
28	Ed	16	25	11:15 AM	Shape model preview
			10	11:40 AM	<b>Break</b>
29	Nat	?	40	11:50 AM	Geometry Finder Subsystem
	Ed		5	12:30 PM	Overview of "Other Stuff" lesson
	Boris		5	12:35 PM	Overview of "In-situ" lesson
	Nat		5	12:40 PM	Overview of "Event finding" lesson
	Nat		5	12:45 PM	Overview of Shape Model lesson
	Nat		5	12:50 PM	Overview of "Binary PCK" lesson
			60	12:55 PM	Lesson #9 Pick one of the above four
			45	1:55 PM	<b>Lunch</b>
30	Boris	11	10	2:40 PM	The NAIF Server
31	Boris	?	60	2:50 PM	Discussion on landers and rovers
32	Nat	33	35	3:50 PM	Lunar/earth binary PCK and FKs
33	Nat	56	60	4:25 PM	Dynamic frames: how to define many kinds of reference frames
34		57	0	5:25 PM	Making an SPK file
35		28	0	5:25 PM	Making a CK file
36		8	0	5:25 PM	SPICE development plans
	Naru/Yukio		10	5:25 PM	Summary and class feedback (can go as long as students like)
				5:35 PM	<b>End of class</b>
<b>Backup: included in package but not presented</b>					
1		7			Motivation for SPICE
2		10			Porting Kernels
3		10			Installing the Toolkit
4		15			IDL interface to CSPICE
5		14			Matlab interface to CSPICE
6		22			Matlab programming example
7		24			IDL programming example
8		26			C programming example
9		26			Fortran programming example
10		9			E-Kernel Overview
11		10			SPICE Documentation Taxonomy