

Schedule for SCTP in Cloud Infrastructure Engineering - Cohort 4						Updated:	6 Jun 23
	Date	Unit	Lesson Title	F2F (NTU@one-North)	Online Zoom	Mode of Delivery	
CE1: Introduction to IT Infrastructure			Key Topics: Week 1: Introduction to IT Infrastructure and Networks Week 2: Network Communications and Security Week 3: Operating Systems Week 4: Parts of a Computer Week 5: Servers Week 6: Best Practices for Networking				
MON	18 Sep-23		Welcome + Introduction		19:00 - 21:00	Virtual	
TUE	19 Sep-23	1.1	Introduction to IT Infrastructure		19:00 - 22:00	Virtual	
WED	20 Sep-23		Assignment + Quiz + Self Study				
THU	21 Sep-23	1.2	Networking Essentials		19:00 - 22:00	Virtual	
FRI	22 Sep-23		Assignment + Quiz + Self Study				
SAT	23 Sep-23						
SUN	24 Sep-23						
MON	25 Sep-23						
TUE	26 Sep-23	1.3	Network Communications Protocol		19:00 - 22:00	Virtual	
WED	27 Sep-23		Assignment + Quiz + Self Study				
THU	28 Sep-23	1.4	Basic Network Security		19:00 - 22:00	Virtual	
FRI	29 Sep-23		Assignment + Quiz + Self Study				
SAT	30 Sep-23	CO	Coaching	10:00 - 13:00		F2F	
SUN	1 Oct-23						
MON	2 Oct-23						
TUE	3 Oct-23	1.5	Operating Systems (Windows)		19:00 - 22:00	Virtual	
WED	4 Oct-23		Assignment + Quiz + Self Study				
THU	5 Oct-23	1.6	Operating Systems (Linux)		19:00 - 22:00	Virtual	
FRI	6 Oct-23		Assignment + Quiz + Self Study				
SAT	7 Oct-23	CO	Coaching	10:00 - 13:00		F2F	
SUN	8 Oct-23						
MON	9 Oct-23	CW	Career Workshop #1: Fundamentals of Career Discovery		19:00 - 22:00	Virtual	
TUE	10 Oct-23	1.7	CPU, Threading & Processing		19:00 - 22:00	Virtual	
WED	11 Oct-23		Assignment + Quiz + Self Study				
THU	12 Oct-23	1.8	Disk, Memory and other storage technologies		19:00 - 22:00	Virtual	
FRI	13 Oct-23		Assignment + Quiz + Self Study				
SAT	14 Oct-23	CO	Coaching	10:00 - 13:00		F2F	
SUN	15 Oct-23						
MON	16 Oct-23						
TUE	17 Oct-23	1.9	Servers & Virtualization		19:00 - 22:00	Virtual	
WED	18 Oct-23		Assignment + Quiz + Self Study				
THU	19 Oct-23	1.10	Servers & Networking		19:00 - 22:00	Virtual	
FRI	20 Oct-23		Assignment + Quiz + Self Study				
SAT	21 Oct-23	CO	Coaching	10:00 - 13:00		F2F	
SUN	22 Oct-23						
MON	23 Oct-23						
TUE	24 Oct-23	1.11	High Availability		19:00 - 22:00	Virtual	
WED	25 Oct-23		Assignment + Quiz + Self Study				
THU	26 Oct-23	1.12	Disaster Recovery		19:00 - 22:00	Virtual	
FRI	27 Oct-23		Assignment + Module Quiz + Self Study				
SAT	28 Oct-23	CO	Coaching	10:00 - 13:00		F2F	
SUN	29 Oct-23						
CE2: Cloud Technologies Essentials and Architectural Design			Key Topics: Week 1: Introduction to Cloud Week 2: Service Models Week 3: Database and Permissions Week 4: Security and Deployment Week 5: Content Delivery Week 6 and 7: Principles in Cloud Architecture Design Week 8: Infrastructure as Code Week 9 and 10: Cloud Certification Training				
MON	30 Oct-23						
TUE	31 Oct-23	2.1	What is Cloud Computing		19:00 - 22:00	Virtual	
WED	1 Nov-23		Assignment + Quiz + Self Study				



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THU	2 Nov-23	2.2	Introduction to Cloud Platform		19:00 - 22:00	Virtual
FRI	3 Nov-23		Assignment + Quiz + Self Study			
SAT	4 Nov-23	CO	Coaching	10:00 - 13:00		F2F
SUN	5 Nov-23					
MON	6 Nov-23	CW	Career Workshop #2: Personal Branding & LinkedIn		19:00 - 22:00	Virtual
TUE	7 Nov-23	2.3	Developers Tool Setup		19:00 - 22:00	Virtual
WED	8 Nov-23		Assignment + Quiz + Self Study			
THU	9 Nov-23	2.4	IaaS, PaaS, and SaaS		19:00 - 22:00	Virtual
FRI	10 Nov-23		Assignment + Quiz + Self Study			
SAT	11 Nov-23	CO	Coaching	10:00 - 13:00		F2F
SUN	12 Nov-23		Deepavali			
MON	13 Nov-23		Deepavali (Holiday in Lieu)			
TUE	14 Nov-23	2.5	Database as a Service		19:00 - 22:00	Virtual
WED	15 Nov-23		Assignment + Quiz + Self Study			
THU	16 Nov-23	2.6	Permission & Policies		19:00 - 22:00	Virtual
FRI	17 Nov-23		Assignment + Quiz + Self Study			
SAT	18 Nov-23	CO	Coaching	10:00 - 13:00		F2F
SUN	19 Nov-23					
MON	20 Nov-23					
TUE	21 Nov-23	2.7	Security Groups		19:00 - 22:00	Virtual
WED	22 Nov-23		Assignment + Quiz + Self Study			
THU	23 Nov-23	2.8	Software Deployment Requirements		19:00 - 22:00	Virtual
FRI	24 Nov-23		Assignment + Quiz + Self Study			
SAT	25 Nov-23	CO	Coaching	10:00 - 13:00		F2F
SUN	26 Nov-23					
MON	27 Nov-23					
TUE	28 Nov-23	2.9	Deployment as a Service		19:00 - 22:00	Virtual
WED	29 Nov-23		Assignment + Quiz + Self Study			
THU	30 Nov-23	2.10	CDN & Availability Zones		19:00 - 22:00	Virtual
FRI	1 Dec-23		Assignment + Quiz + Self Study			
SAT	2 Dec-23	CO	Coaching	10:00 - 13:00		F2F
SUN	3 Dec-23					
MON	4 Dec-23	CW	Career Workshop #3: Craft an Interview-oriented Resume		19:00 - 22:00	Virtual
TUE	5 Dec-23	2.11	Principles in Cloud Arch. Design - Security		19:00 - 22:00	Virtual
WED	6 Dec-23		Assignment + Quiz + Self Study			
THU	7 Dec-23	2.12	Principles in Cloud Arch. Design - Reliability		19:00 - 22:00	Virtual
FRI	8 Dec-23		Assignment + Quiz + Self Study			
SAT	9 Dec-23	CO	Coaching	10:00 - 13:00		F2F
SUN	10 Dec-23					
MON	11 Dec-23					
TUE	12 Dec-23	2.13	Principles in Cloud Arch. Design - Performance		19:00 - 22:00	Virtual
WED	13 Dec-23		Assignment + Quiz + Self Study			
THU	14 Dec-23	2.14	Principles in Cloud Arch. Design - Cost Optimization		19:00 - 22:00	Virtual
FRI	15 Dec-23		Assignment + Quiz + Self Study			
SAT	16 Dec-23	CO	Coaching	10:00 - 13:00		F2F
SUN	17 Dec-23					
MON	18 Dec-23					
TUE	19 Dec-23	2.15	Principles in Cloud Arch. Design - Operational Excellence		19:00 - 22:00	Virtual
WED	20 Dec-23		Assignment + Quiz + Self Study			
THU	21 Dec-23	2.16	Infrastructure as Code		19:00 - 22:00	Virtual
FRI	22 Dec-23		Assignment + Quiz + Self Study			
SAT	23 Dec-23	CO	Coaching	10:00 - 13:00		F2F
SUN	24 Dec-23		Christmas Eve			
MON	25 Dec-23		Christmas			
TUE	26 Dec-23		Cloud Certification Self-Study			
WED	27 Dec-23		Cloud Certification Self-Study			
THU	28 Dec-23		Cloud Certification Self-Study			
FRI	29 Dec-23		Cloud Certification Self-Study			

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SAT	30 Dec-23	CO	Coaching	10:00 - 13:00		F2F	
SUN	31 Dec-23		New Year Eve				
MON	1 Jan-24		New Year Day				
TUE	2 Jan-24		Cloud Certification Self-Study + Quiz				
WED	3 Jan-24		Cloud Certification Self-Study				
THU	4 Jan-24		Cloud Certification Self-Study				
FRI	5 Jan-24		Cloud Certification Self-Study				
SAT	6 Jan-24	CO	Coaching	10:00 - 13:00		F2F	
SUN	7 Jan-24						
CE3: DevSecOps Essentials & System Monitoring Strategies			Key Topics: Week 1: Introduction to GIT Week 2: Software Deployment Week 3: Cloud Native Application Week 4: Cloud Migration Week 5: Introduction to DevOps Week 6: Continuous Integration & Continuous Deployment Week 7: Security Week 8: Application Logging in Cloud Week 9 and 10: Project Creation				
MON	8 Jan-24	CW	Career Workshop #4: Job Search Strategy + Career Networking		19:00 - 22:00	Virtual	
TUE	9 Jan-24	3.1	Introduction to GIT I		19:00 - 22:00	Virtual	
WED	10 Jan-24		Assignment + Quiz + Self Study				
THU	11 Jan-24	3.2	Introduction to GIT II		19:00 - 22:00	Virtual	
FRI	12 Jan-24		Assignment + Quiz + Self Study				
SAT	13 Jan-24	CO	Coaching	10:00 - 13:00		F2F	
SUN	14 Jan-24						
MON	15 Jan-24						
TUE	16 Jan-24	3.3	Deploying Cloud Native App		19:00 - 22:00	Virtual	
WED	17 Jan-24		Assignment + Quiz + Self Study				
THU	18 Jan-24	3.4	Cloud Native Application - Containerization I		19:00 - 22:00	Virtual	
FRI	19 Jan-24		Assignment + Quiz + Self Study				
SAT	20 Jan-24	CO	Coaching	10:00 - 13:00		F2F	
SUN	21 Jan-24						
MON	22 Jan-24						
TUE	23 Jan-24	3.5	Cloud Native Application - Containerization II		19:00 - 22:00	Virtual	
WED	24 Jan-24		Assignment + Quiz + Self Study				
THU	25 Jan-24	3.6	Cloud Native Application - Serverless I		19:00 - 22:00	Virtual	
FRI	26 Jan-24		Assignment + Quiz + Self Study				
SAT	27 Jan-24	CO	Coaching	10:00 - 13:00		F2F	
SUN	28 Jan-24						
MON	29 Jan-24						
TUE	30 Jan-24	3.7	Cloud Native Application - Serverless II		19:00 - 22:00	Virtual	
WED	31 Jan-24		Assignment + Quiz + Self Study				
THU	1 Feb-24	3.8	Cloud Migration and Microservices		19:00 - 22:00	Virtual	
FRI	2 Feb-24	CO	Coaching	10:00 - 13:00		F2F	
SAT	3 Feb-24	CW	Career Workshop #5: Winning Job Interviews	10:00 - 13:00		F2F	
SUN	4 Feb-24						
MON	5 Feb-24						
TUE	6 Feb-24	3.9	Introduction to DevOps		19:00 - 22:00	Virtual	
WED	7 Feb-24		Assignment + Quiz + Self Study				
THU	8 Feb-24	3.10	Continuous Integration		19:00 - 22:00	Virtual	
FRI	9 Feb-24		Eve of CNY				
SAT	10 Feb-24		Chinese New Year Day 1				
SUN	11 Feb-24		Chinese New Year Day 2				
MON	12 Feb-24		Chinese New Year Day 3				
TUE	13 Feb-24		BREAK				
WED	14 Feb-24		BREAK				
THU	15 Feb-24		BREAK				
FRI	16 Feb-24		Assignment + Quiz + Self Study				
SAT	17 Feb-24	CO	Coaching		10:00 - 13:00	Virtual	

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SUN	18 Feb-24					
MON	19 Feb-24					
TUE	20 Feb-24	3.11	Continuous Deployment - Container		19:00 - 22:00	Virtual
WED	21 Feb-24		Assignment + Quiz + Self Study			
THU	22 Feb-24	3.12	Continuous Deployment - Serverless		10:00 - 13:00	Virtual
FRI	23 Feb-24		Assignment + Quiz + Self Study			
SAT	24 Feb-24	CO	Coaching	10:00 - 13:00		F2F
SUN	25 Feb-24					
MON	26 Feb-24					
TUE	27 Feb-24	3.13	Secret Management		19:00 - 22:00	Virtual
WED	28 Feb-24		Assignment + Quiz + Self Study			
THU	29 Feb-24	3.14	Package Vulnerability Scan		19:00 - 22:00	Virtual
FRI	1 Mar-24		Assignment + Quiz + Self Study			
SAT	2 Mar-24	CO	Coaching	10:00 - 13:00		F2F
SUN	3 Mar-24					
MON	4 Mar-24					
TUE	5 Mar-24	3.15	Application Logging - CloudWatch		19:00 - 22:00	Virtual
WED	6 Mar-24		Assignment + Quiz + Self Study			
THU	7 Mar-24	3.16	Case Study & Capstone Prep		19:00 - 22:00	Virtual
FRI	8 Mar-24		Assignment + Quiz + Self Study			
SAT	9 Mar-24	CO	Coaching	10:00 - 13:00		F2F
SUN	10 Mar-24					
MON	11 Mar-24		Project			
TUE	12 Mar-24		Project			
WED	13 Mar-24		Project			
THU	14 Mar-24		Project			
FRI	15 Mar-24		Project			
SAT	16 Mar-24		Project			
SUN	17 Mar-24					
MON	18 Mar-24	CW	Career Workshop #6: Group Coaching		19:00 - 22:00	Virtual
TUE	19 Mar-24		Project			
WED	20 Mar-24		Project			
THU	21 Mar-24		Project			
FRI	22 Mar-24		Project			
SAT	23 Mar-24	PP	Presentation	10:00 - 13:00		
SUN	24 Mar-24					
MON	25 Mar-24					
TUE	26 Mar-24		Graduation	10:00 - 13:00		
WED	27 Mar-24					
THU	28 Mar-24					
FRI	29 Mar-24		Good Friday			
SAT	30 Mar-24					
SUN	31 Mar-24					

- All lecture will be facilitated Virtually unless otherwise stated
- F2F lecture will be held at NTU@one-north campus (off North Buona Vista Road)
- NTU reserves the right to change the date, mode/venue of lesson or cancel class due to unforeseen circumstances