

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

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WED	20 Nov-24		Assignment + Quiz + Self Study				
THU	21 Nov-24	2.2	Introduction to Cloud Platform		19:00 - 22:00	Virtual	
FRI	22 Nov-24		Assignment + Quiz + Self Study				
SAT	23 Nov-24	CO	Coaching	10:00 - 13:00		F2F	
SUN	24 Nov-24						
MON	25 Nov-24						
TUE	26 Nov-24	2.3	Developers Tool Setup		19:00 - 22:00	Virtual	
WED	27 Nov-24		Assignment + Quiz + Self Study				
THU	28 Nov-24	2.4	IaaS, PaaS, and SaaS		19:00 - 22:00	Virtual	
FRI	29 Nov-24		Assignment + Quiz + Self Study				
SAT	30 Nov-24	CO	Coaching	10:00 - 13:00		F2F	
SUN	1 Dec-24						
MON	2 Dec-24						
TUE	3 Dec-24	2.5	Database as a Service		19:00 - 22:00	Virtual	
WED	4 Dec-24		Assignment + Quiz + Self Study				
THU	5 Dec-24	2.6	Permission & Policies		19:00 - 22:00	Virtual	
FRI	6 Dec-24		Assignment + Quiz + Self Study				
SAT	7 Dec-24	CO	Coaching	10:00 - 13:00		F2F	
SUN	8 Dec-24						
MON	9 Dec-24						
TUE	10 Dec-24	2.7	Security Groups		19:00 - 22:00	Virtual	
WED	11 Dec-24		Assignment + Quiz + Self Study				
THU	12 Dec-24	2.8	Software Deployment Requirements		19:00 - 22:00	Virtual	
FRI	13 Dec-24		Assignment + Quiz + Self Study				
SAT	14 Dec-24	CO	Coaching	10:00 - 13:00		F2F	
SUN	15 Dec-24						
MON	16 Dec-24	CW	Career Workshop #3: Job Search Strategy + Career Networking		19:00 - 22:00	Virtual	
TUE	17 Dec-24	2.9	Deployment as a Service		19:00 - 22:00	Virtual	
WED	18 Dec-24		Assignment + Quiz + Self Study				
THU	19 Dec-24	2.10	CDN & Availability Zones		19:00 - 22:00	Virtual	
FRI	20 Dec-24		Assignment + Quiz + Self Study				
SAT	21 Dec-24	CO	Coaching	10:00 - 13:00		F2F	
SUN	22 Dec-24						
MON	23 Dec-24						
TUE	24 Dec-24	2.11	Principles in Cloud Arch. Design - Security		19:00 - 22:00	Virtual	
WED	25 Dec-24	PH	Christmas Day				
THU	26 Dec-24	2.12	Principles in Cloud Arch. Design - Reliability		19:00 - 22:00	Virtual	
FRI	27 Dec-24		Assignment + Quiz + Self Study				
SAT	28 Dec-24	CO	Coaching	10:00 - 13:00		F2F	
SUN	29 Dec-24						
MON	30 Dec-24		Assignment + Quiz + Self Study				
TUE	31 Dec-24	2.13	Principles in Cloud Arch. Design - Performance		19:00 - 22:00	Virtual	
WED	1 Jan-25	PH	New Year's Day				
THU	2 Jan-25	2.14	Principles in Cloud Arch. Design - Cost Optimization		19:00 - 22:00	Virtual	
FRI	3 Jan-25		Assignment + Quiz + Self Study				
SAT	4 Jan-25	CO	Coaching	10:00 - 13:00		F2F	
SUN	5 Jan-25						
MON	6 Jan-25		Assignment + Quiz + Self Study				
TUE	7 Jan-25	2.15	Principles in Cloud Arch. Design - Operational Excellence		19:00 - 22:00	Virtual	
WED	8 Jan-25		Assignment + Quiz + Self Study				
THU	9 Jan-25	2.16	Infrastructure as Code		19:00 - 22:00	Virtual	
FRI	10 Jan-25		Assignment + Quiz + Self Study				
SAT	11 Jan-25	CO	Coaching	10:00 - 13:00		F2F	
SUN	12 Jan-25						
MON	13 Jan-25		Cloud Certification Self-Study				
TUE	14 Jan-25		Cloud Certification Self-Study				
WED	15 Jan-25		Cloud Certification Self-Study				
THU	16 Jan-25		Cloud Certification Self-Study				

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FRI	17 Jan-25		Cloud Certification Self-Study				
SAT	18 Jan-25	CO	Coaching	10:00 - 13:00		F2F	
SUN	19 Jan-25						
MON	20 Jan-25	CW	Career Workshop #4: Craft an Interview-oriented Resume		19:00 - 22:00	Virtual	
TUE	21 Jan-25		Cloud Certification Self-Study				
WED	22 Jan-25		Cloud Certification Self-Study				
THU	23 Jan-25		Cloud Certification Self-Study				
FRI	24 Jan-25		Cloud Certification Self-Study				
SAT	25 Jan-25	CO	Coaching	10:00 - 13:00		F2F	
SUN	26 Jan-25						
<b>CE3: DevSecOps Essentials &amp; System Monitoring Strategies</b>		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	27 Jan-25						
TUE	28 Jan-25	PH	Eve of CNY				
WED	29 Jan-25	PH	Chinese New Year Day 1				
THU	30 Jan-25	PH	Chinese New Year Day 2				
FRI	31 Jan-25	PH	Chinese New Year Day 3				
SAT	1 Feb-25	PH	BREAK				
SUN	2 Feb-25	PH	BREAK				
MON	3 Feb-25	PH	BREAK				
TUE	4 Feb-25	3.1	Introduction to GIT I		19:00 - 22:00	Virtual	
WED	5 Feb-25		Assignment + Quiz + Self Study				
THU	6 Feb-25	3.2	Introduction to GIT II		19:00 - 22:00	Virtual	
FRI	7 Feb-25		Assignment + Quiz + Self Study				
SAT	8 Feb-25	CO	Coaching	10:00 - 13:00		F2F	
SUN	9 Feb-25						
MON	10 Feb-25						
TUE	11 Feb-25	3.3	Deploying Cloud Native App		19:00 - 22:00	Virtual	
WED	12 Feb-25		Assignment + Quiz + Self Study				
THU	13 Feb-25	3.4	Cloud Native Application - Containerization I		19:00 - 22:00	Virtual	
FRI	14 Feb-25		Assignment + Quiz + Self Study				
SAT	15 Feb-25	CO	Coaching	10:00 - 13:00		F2F	
SUN	16 Feb-25						
MON	17 Feb-25						
TUE	18 Feb-25	3.5	Cloud Native Application - Containerization II		19:00 - 22:00	Virtual	
WED	19 Feb-25		Assignment + Quiz + Self Study				
THU	20 Feb-25	3.6	Cloud Native Application - Serverless I		19:00 - 22:00	Virtual	
FRI	21 Feb-25		Assignment + Quiz + Self Study				
SAT	22 Feb-25	CO	Coaching	10:00 - 13:00		F2F	
SUN	23 Feb-25						
MON	24 Feb-25						
TUE	25 Feb-25	3.7	Cloud Native Application - Serverless II		19:00 - 22:00	Virtual	
WED	26 Feb-25		Assignment + Quiz + Self Study				
THU	27 Feb-25	3.8	Cloud Migration and Microservices		19:00 - 22:00	Virtual	
FRI	28 Feb-25	CO	Coaching		19:00 - 22:00	Virtual	
SAT	1 Mar-25	CW	Career Workshop #5: Winning Job Interviews	10:00 - 13:00		F2F	
SUN	2 Mar-25						
MON	3 Mar-25		Assignment + Quiz + Self Study				
TUE	4 Mar-25	3.9	Introduction to DevOps		19:00 - 22:00	Virtual	
WED	5 Mar-25		Assignment + Quiz + Self Study				
THU	6 Mar-25	3.10	Continuous Integration		19:00 - 22:00	Virtual	
FRI	7 Mar-25		Assignment + Quiz + Self Study				

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

• 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