



Schedule for (SCTP) Advanced Professional Certificate in Cloud Infrastructure Engineering - Cohort 14						Updated:	9 Feb 26
Day	Date	Unit	Lesson Title	Start	End	Location	
<b>CE1: IT Infrastructure Essentials</b>			Key Topics: Week 1: Introduction to IT Infrastructure and Networks Week 2: Network Communications and Security Week 3: Server Administration Week 4: Network Security, High Availability & Disaster Recovery Week 5: Load Balancing Week 6: Databases and Cloud Migration	<b>Start</b>	<b>End</b>	<b>Location</b>	
SAT	15 Aug-26		Welcome + Introduction	10:00	13:00	NTU@One-north	
SUN	16 Aug-26						
MON	17 Aug-26						
TUE	18 Aug-26	1.1	Introduction to IT Infrastructure	19:00	22:00	Online Zoom	
WED	19 Aug-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	20 Aug-26	1.2	Networking Essentials	19:00	22:00	Online Zoom	
FRI	21 Aug-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	22 Aug-26	CW	Career Workshop #1 - Uncover Your Next Path: Career Discovery for Mid-Career Changers	10:00	13:00	NTU@One-north	
SUN	23 Aug-26						
MON	24 Aug-26						
TUE	25 Aug-26	1.3	Network Communications Protocol	19:00	22:00	Online Zoom	
WED	26 Aug-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	27 Aug-26	1.4	Basic Security	19:00	22:00	Online Zoom	
FRI	28 Aug-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	29 Aug-26	CO	Coaching	10:00	13:00	NTU@One-north	
SUN	30 Aug-26						
MON	31 Aug-26						
TUE	1 Sep-26	1.5	Servers Administration I	19:00	22:00	Online Zoom	
WED	2 Sep-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	3 Sep-26	1.6	Servers Administration II	19:00	22:00	Online Zoom	
FRI	4 Sep-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	5 Sep-26	CO	Coaching	10:00	13:00	NTU@One-north	
SUN	6 Sep-26						
MON	7 Sep-26						
TUE	8 Sep-26	1.7	Network Security	19:00	22:00	Online Zoom	
WED	9 Sep-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	10 Sep-26	1.8	High Availability & Disaster Recovery	19:00	22:00	Online Zoom	
FRI	11 Sep-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	12 Sep-26	CO	Coaching	10:00	13:00	NTU@One-north	
SUN	13 Sep-26						
MON	14 Sep-26	CW	Career Workshop #2 - Stand Out: Building a Powerful Professional Brand	19:00	22:00	Online Zoom	
TUE	15 Sep-26	1.9	Load Balancing	19:00	22:00	Online Zoom	
WED	16 Sep-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	17 Sep-26	1.10	Database I	19:00	22:00	Online Zoom	
FRI	18 Sep-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	19 Sep-26	CO	Coaching	10:00	13:00	NTU@One-north	
SUN	20 Sep-26						
MON	21 Sep-26						
TUE	22 Sep-26	1.11	Database II	19:00	22:00	Online Zoom	
WED	23 Sep-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	24 Sep-26	1.12	Cloud Migration	19:00	22:00	Online Zoom	
FRI	25 Sep-26		Assignment + Module Quiz + Self Study	19:00	22:00	Self study	
SAT	26 Sep-26	CO	Coaching	10:00	13:00	NTU@One-north	
SUN	27 Sep-26						

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- NTU reserves the right to change the date, mode/venue of lesson or cancel class due to unforeseen circumstances



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Day	Date	Unit	Lesson Title	Start	End	Location	
<b>CE2: Cloud Technologies Essentials and Architectural Design</b>			Key Topics: Week 1: Principles in Cloud Architecture Design Week 2: Infrastructure as a Code Week 3: Database as a Service, IAM Week 4: Storage, Deployment as a Service Week 5 and 6: Security, Networking, Function as a Service Week 7: Serverless Architecture Week 8: Secret Management, Cost and Monitoring Week 9 and 10: Cloud Certification Training				
MON	28 Sep-26						
TUE	29 Sep-26	2.1	Principles in Cloud Arch. Design	19:00	22:00	Online Zoom	
WED	30 Sep-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	1 Oct-26	2.2	Infrastructure as Code 1	19:00	22:00	Online Zoom	
FRI	2 Oct-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	3 Oct-26	CO	Coaching	10:00	13:00	NTU@One-north	
SUN	4 Oct-26						
MON	5 Oct-26						
TUE	6 Oct-26	2.3	Infrastructure as Code 2	19:00	22:00	Online Zoom	
WED	7 Oct-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	8 Oct-26	2.4	Infrastructure as Code 3	19:00	22:00	Online Zoom	
FRI	9 Oct-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	10 Oct-26	CO	Coaching	10:00	13:00	NTU@One-north	
SUN	11 Oct-26						
MON	12 Oct-26						
TUE	13 Oct-26	2.5	Database as a Service	19:00	22:00	Online Zoom	
WED	14 Oct-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	15 Oct-26	2.6	Identity Access Management	19:00	22:00	Online Zoom	
FRI	16 Oct-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	17 Oct-26	CO	Coaching	10:00	13:00	NTU@One-north	
SUN	18 Oct-26						
MON	19 Oct-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
TUE	20 Oct-26	2.7	Storage	19:00	22:00	Online Zoom	
WED	21 Oct-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	22 Oct-26	2.8	Deployment as a Service	19:00	22:00	Online Zoom	
FRI	23 Oct-26	CO	Coaching	19:00	22:00	Online Zoom	
SAT	24 Oct-26	CW	Career Workshop #3 - Connecting with Purpose: Networking for Career Transitions	10:00	13:00	NTU@One-north	
SUN	25 Oct-26						
MON	26 Oct-26						
TUE	27 Oct-26	2.9	Security	19:00	22:00	Online Zoom	
WED	28 Oct-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	29 Oct-26	2.10	Networking 1	19:00	22:00	Online Zoom	
FRI	30 Oct-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	31 Oct-26	CO	Coaching	10:00	13:00	NTU@One-north	
SUN	1 Nov-26						
MON	2 Nov-26						
TUE	3 Nov-26	2.11	Networking 2	19:00	22:00	Online Zoom	
WED	4 Nov-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	5 Nov-26	2.12	Function as a Service	19:00	22:00	Online Zoom	
FRI	6 Nov-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	7 Nov-26	CO	Coaching	10:00	13:00	NTU@One-north	
SUN	8 Nov-26	PH	Deepavali				
MON	9 Nov-26	PH	Deepavali Public Holiday				
TUE	10 Nov-26	2.13	Serverless Architecture 1	19:00	22:00	Online Zoom	
WED	11 Nov-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	12 Nov-26	2.14	Serverless Architecture 2	19:00	22:00	Online Zoom	
FRI	13 Nov-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	14 Nov-26	CO	Coaching	10:00	13:00	NTU@One-north	
SUN	15 Nov-26						
MON	16 Nov-26						
TUE	17 Nov-26	2.15	Secret Management	19:00	22:00	Online Zoom	
WED	18 Nov-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	



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THU	19 Nov-26	2.16	Cost and Monitoring	19:00	22:00	Online Zoom	
FRI	20 Nov-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	21 Nov-26	CO	Coaching	10:00	13:00	NTU@One-north	
SUN	22 Nov-26						
MON	23 Nov-26		Cloud Certification Self-Study	19:00	22:00	Self study	
TUE	24 Nov-26		Cloud Certification Self-Study	19:00	22:00	Self study	
WED	25 Nov-26		Cloud Certification Self-Study	19:00	22:00	Self study	
THU	26 Nov-26		Cloud Certification Self-Study	19:00	22:00	Self study	
FRI	27 Nov-26		Cloud Certification Self-Study	19:00	22:00	Self study	
SAT	28 Nov-26	CO	Coaching	10:00	13:00	NTU@One-north	
SUN	29 Nov-26						
MON	30 Nov-26		Cloud Certification Self-Study	19:00	22:00	Self study	
TUE	1 Dec-26		Cloud Certification Self-Study	19:00	22:00	Self study	
WED	2 Dec-26		Cloud Certification Self-Study	19:00	22:00	Self study	
THU	3 Dec-26		Cloud Certification Self-Study	19:00	22:00	Self study	
FRI	4 Dec-26		Cloud Certification Self-Study	19:00	22:00	Self study	
SAT	5 Dec-26	CO	Coaching	10:00	13:00	NTU@One-north	
SUN	6 Dec-26						
<b>CE3: DevSecOps Essentials &amp; System Monitoring Strategies</b>			Key Topics: Week 1: Introduction to DevSecOps Week 2 and 3: Container Orchestration with ECS Week 4: Container Orchestration with EKS Week 5: Monitoring and Logging for Containers Week 6: Package Manager for Containers Week 7: Continuous Integration & Continuous Deployment Week 8: Architecture & Tool Review Week 9 and 10: Project Creation				
MON	7 Dec-26	CW	Career Workshop #4 - Crafting the Perfect Resume: Telling Your Unique Story	19:00	22:00	Online Zoom	
TUE	8 Dec-26	3.1	Introduction to DevSecOps	19:00	22:00	Online Zoom	
WED	9 Dec-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	10 Dec-26	3.2	DevSecOps and Workflow	19:00	22:00	Online Zoom	
FRI	11 Dec-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	12 Dec-26	CO	Coaching	10:00	13:00	NTU@One-north	
SUN	13 Dec-26						
MON	14 Dec-26						
TUE	15 Dec-26	3.3	Introduction to Container	19:00	22:00	Online Zoom	
WED	16 Dec-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	17 Dec-26	3.4	Container Orchestration with ECS Part 1	19:00	22:00	Online Zoom	
FRI	18 Dec-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	19 Dec-26	CO	Coaching	10:00	13:00	NTU@One-north	
SUN	20 Dec-26						
MON	21 Dec-26						
TUE	22 Dec-26	3.5	Container Orchestration with ECS Part 2	19:00	22:00	Online Zoom	
WED	23 Dec-26	3.6	Package Vulnerability Scanning	19:00	22:00	Online Zoom	
THU	24 Dec-26	PH	Christmas Eve				
FRI	25 Dec-26	PH	Christmas Day				
SAT	26 Dec-26						
SUN	27 Dec-26						
MON	28 Dec-26						
TUE	29 Dec-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
WED	30 Dec-26		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	31 Dec-26	PH	New Year Eve				
FRI	1 Jan-27	PH	New Year Day				
SAT	2 Jan-27						
SUN	3 Jan-27						
MON	4 Jan-27						
TUE	5 Jan-27	3.7	Container Orchestration with EKS Part 2	19:00	22:00	Online Zoom	
WED	6 Jan-27		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	7 Jan-27	3.8	Container Orchestration with EKS Part 2	19:00	22:00	Online Zoom	
FRI	8 Jan-27		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	9 Jan-27	CO	Coaching	10:00	13:00	NTU@One-north	



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SUN	10 Jan-27						
MON	11 Jan-27						
TUE	12 Jan-27	3.9	Monitoring for Container	19:00	22:00	Online Zoom	
WED	13 Jan-27		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	14 Jan-27	3.10	Logging for Container	19:00	22:00	Online Zoom	
FRI	15 Jan-27		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	16 Jan-27	CO	Coaching	10:00	13:00	NTU@One-north	
SUN	17 Jan-27						
MON	18 Jan-27						
TUE	19 Jan-27	3.11	Package Manager for Container 1	19:00	22:00	Online Zoom	
WED	20 Jan-27		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	21 Jan-27	3.12	Package Manager for Container 2	19:00	22:00	Online Zoom	
FRI	22 Jan-27		Assignment + Quiz + Self Study	19:00	22:00	Self study	
SAT	23 Jan-27	CO	Coaching	10:00	13:00	NTU@One-north	
SUN	24 Jan-27						
MON	25 Jan-27		Assignment + Quiz + Self Study	19:00	22:00	Self study	
TUE	26 Jan-27	3.13	CICD for Container 1	19:00	22:00	Online Zoom	
WED	27 Jan-27		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	28 Jan-27	3.14	CICD for Container 2	19:00	22:00	Online Zoom	
FRI	29 Jan-27	CO	Coaching	19:00	22:00	Online Zoom	
SAT	30 Jan-27	CW	Career Workshop #5 - Ace the Interview and Beyond: From Preparation to Next Steps	10:00	13:00	NTU@One-north	
SUN	31 Jan-27						
MON	1 Feb-27						
TUE	2 Feb-27	3.15	Architecture & Tool Review	19:00	22:00	Online Zoom	
WED	3 Feb-27		Assignment + Quiz + Self Study	19:00	22:00	Self study	
THU	4 Feb-27	PH	BREAK				
FRI	5 Feb-27	PH	Eve of CNY				
SAT	6 Feb-27	PH	Chinese New Year Day 1				
SUN	7 Feb-27	PH	Chinese New Year Day 2				
MON	8 Feb-27	PH	Chinese New Year Day 3				
TUE	9 Feb-27	PH	BREAK				
WED	10 Feb-27						
THU	11 Feb-27	3.16	Case Study & Capstone Prep	19:00	22:00	Online Zoom	
FRI	12 Feb-27		Assignment + Module Quiz + Self Study	19:00	22:00	Self study	
SAT	13 Feb-27	CO	Coaching	10:00	13:00	NTU@One-north	
SUN	14 Feb-27						
MON	15 Feb-27		Project	19:00	22:00	Self study	
TUE	16 Feb-27		Project	19:00	22:00	Self study	
WED	17 Feb-27		Project	19:00	22:00	Self study	
THU	18 Feb-27		Project	19:00	22:00	Self study	
FRI	19 Feb-27		Project	19:00	22:00	Self study	
SAT	20 Feb-27		Project	10:00	13:00	Self study	
SUN	21 Feb-27						
MON	22 Feb-27		Project	19:00	22:00	Self study	
TUE	23 Feb-27		Project	19:00	22:00	Self study	
WED	24 Feb-27		Project	19:00	22:00	Self study	
THU	25 Feb-27		Project	19:00	22:00	Self study	
FRI	26 Feb-27		Project	19:00	22:00	Self study	
SAT	27 Feb-27	PP	Presentation	10:00	13:00	NTU@One-north	
SUN	28 Feb-27						

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