Course Schedule SCIN381 Aroma and Flavor Science for Innovation and Bio-Business Morning session 10:00-12:00 hr, Afternoon session 13:00-16:00 hr

Week	Topic (Morning session)	Instructor	Topic (Afternoon session)	Instructor
	10:00-12:00 hr		13:00-16:00 hr	
1 Jan 8, 2024	 Lecture Application and innovation of flavor and fragrance: From antiquity to modern industries Perceptions of aroma and flavor Assignment briefing 	B400/Sittiwat	Laboratory Laboratory orientation Recognition test Threshold Perceptions of aroma and flavor	NX00/Sittiwat
2 Jan 15, 2024	Lecture Genesis of flavors in foods Flavor-food interactions and their release	B400/Sittiwat	Lecture • Sensing of flavor and fragrance (odor and taste)	B400/ Napassorn (BT)
3 Jan 22, 2024	LectureApplication of flavors in foods 1	Salaya/ Siriyupa	Application of flavors in foods 1	Salaya/ Siriyupa
4 Jan 29, 2024	Packaging materials enhancing stability of aroma and flavor in finished goods	Salaya/ Siriyupa	Packaging materials enhancing stability of aroma and flavor in finished goods	Salaya/ Siriyupa
5 Feb 5, 2024	Lecture ● Phenomena of mass transfer	Salaya/ Thitisilp	LaboratoryPhenomena of mass transfer	Salaya/ Thitisilp
6 Feb 12, 2024	Mass transfer of chemical compounds related to aroma and flavor during application and in finished goods	Salaya/ Thitisilp	Mass transfer of chemical compounds related to aroma and flavor during application and in finished goods	Salaya/ Thitisilp

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	10:00-12:00 hr		13:00-16:00 hr	
7	Lecture/Demo	B400/Sittiwat	Laboratory	NX00/Sittiwat
Feb 19, 2024	Psychological basis of perfumery		The Maillard reaction	
	Application of fragrances in cosmetics and		Lipid oxidation	
	personal care products		Flavor formation in vegetables	
	Sniffing perfumes		Flavor creation and compounding	
	Midterm exa	ı amination (Mar 4 -	- Mar 8, 2024)	
8	Lecture	B400/Sittiwat	Lecture/Demo	B400/Sittiwat
Mar 11, 2024	Flavor/aroma profiling: Instrumental analysis		Flavor/aroma profiling: sensory descriptive analysis	
9	Lecture	B400/	Laboratory	BT/Sittiwat
Mar 18, 2024	Aroma and scent: Raw material plants	Napassorn	Flavor/aroma profiling: Instrumental analysis	
		(BT)		
10	Lecture	B400/Sitthivut		
Mar 25, 2024	Aroma and scent: Chemistry, manufacture and			
	their stability			
11	Lecture	B400/Nattinee	Laboratory	NX00/Sittiwat
April 1, 2024	Aromatherapy		Steam distillations and extraction	
12	Lecture	B400/Sittiwat	Presentation for the assignment	B400/Sittiwat,
Apr 22, 2024	Regulation for industrial application in flavor			
	and fragrance			
	Final examir	nation (April 29 - I	May 10, 2024)	ı