

Course Syllabus

SCBE152 Natural Science Illustration 3(1-4-4) Semester 2023-2

Wk	2024	Description	Class		Activities/Media	Instructors
	Fri 8.30-12.30 hr		Lec	Lab		
1	12 Jan (SC2-340)	Pre-test / Introduction / Principles of scientific presentation using illustrations	2	2	<ul style="list-style-type: none"> Quiz lecture/PowerPoint Individual activity 	Sasivimon TA: Piriya
2	19 Jan (SC2-340)	Line, light & shade practicing / Specimen sketching (students prepare their own specimens) (Assignment #1)	0	4	<ul style="list-style-type: none"> Individual activity 	Sasivimon / Narongsak TA: Piriya
	Sat 20 Jan 8-12 hr (Siree)	Field sketching (Assignment #2)	0	4	<ul style="list-style-type: none"> Individual activity 	
	Sat 20 Jan 13-17 hr (SC2-340)	Scientific sketching (Assignment #3)	0	4	<ul style="list-style-type: none"> Individual activity 	
3	26 Jan (SC2-340)	Principles of Scientific Photography	2	2	<ul style="list-style-type: none"> lecture/PowerPoint Individual activity 	Tom Stewart TA: Piriya
4	2 Feb (Siree)	Scientific Photography Outdoor (I)	0	4	<ul style="list-style-type: none"> Individual activity (Sireerukkhacharti Nature Park)	Tom Stewart TA: Piriya
5	9 Feb (Siree)	Scientific Photography Outdoor (II)	0	4	<ul style="list-style-type: none"> Individual activity (Sireerukkhacharti Nature Park)	Tom Stewart TA: Piriya
6	16 Feb (SC2-340)	Rendering with pen and ink (Assignment #4)	0	4	<ul style="list-style-type: none"> Individual activity 	Sasivimon / Narongsak TA: Piriya
	Sat 17 Feb 8-12 hr (SC2-340)	Water color exercise (Assignment #5)	0	4	<ul style="list-style-type: none"> Individual activity 	
	Sat 17 Feb 13-17 hr (SC2-340)	Rendering with water colors (Assignment #6)	0	4	<ul style="list-style-type: none"> Individual activity 	
7	23 Feb (SC2-340)	Rendering with pencils and colored pencils	0	4	<ul style="list-style-type: none"> Individual activity 	Sasivimon / Narongsak TA: Piriya
8	1 Mar (video)	Data searching for illustrating / Reference citation / Copyright Laws	3	0	<ul style="list-style-type: none"> (video) lecture/PowerPoint Individual activity/Internet 	Sasivimon
		Midterm Exam Week: No Exam				
9	15 Mar (SC2-340)	Term project illustration Term project submission #1	2	2	<ul style="list-style-type: none"> Individual term project submission (in sketchbook - 10 min each) 	Sasivimon TA: Piriya
10	22 Mar (SC3-MDL)	Scientific Photography in Laboratories	0	4	<ul style="list-style-type: none"> Individual activity Group activity/Internet Microscopes 	Tom Stewart TA: Piriya

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	Fri 8.30-12.30 hr		Lec	Lab		
11	29 Mar (SC2-340)	Principles of Light & Electron Microscopes	2	2	<ul style="list-style-type: none"> ● lecture/PowerPoint ● Individual activity/Internet 	Puey Ounjai TA: Piriya
12	5 Apr (on-site at Phayathai N300 & CNI & OBC)	Term project illustration Term project submission #2 at Phayathai	0	0	Individual term project submission	Sasivimon
		Visit Light & Electron Microscope Laboratory	0	4	Study tour at Center of Nanoimaging (CNI) & Olympus Bioimaging Center (OBC) SCBE provides transportation to and from Phayathai?	Puey Ounjai TA: Piriya
13	12 Apr (SC3-200?)	Illustration editing using computer program (I)	0	4	<ul style="list-style-type: none"> ● lecture/PowerPoint ● Individual activity ● Computer lab with Photoshop 	Puey Ounjai TA: Piriya
	16 Apr	Songkran Holidays (no class)				
14	19 Apr (SC3-200?)	Illustration editing using computer program (II)	0	4	<ul style="list-style-type: none"> ● lecture/PowerPoint ● Individual activity ● Computer lab with Photoshop 	Puey Ounjai TA: Piriya
15	26 Apr (SC2-340)	Final Exam/Final Term Project Submission <ul style="list-style-type: none"> ● Final Illustration.jpg ● Final Report.doc ● Calendar.psd ● Calendar.jpg ● Printed calendar 	4	0	<ul style="list-style-type: none"> ● Individual term project submission (10 min each) ● Written exam 	Sasivimon TA: Piriya
			15	60		

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