

Course Syllabus

Course no.	2313213	
Course credits	3.0 (3.0-0.0-6.0)	
Course title	Thai	การถ่ายภาพดิจิทัล
	English	DIGITAL PHOTOGRAPHY
Responsible unit	Faculty	Faculty of science
	Department	Department of Imaging and Printing Technology
	Field of study	-
Type of course	International Course (Regular course)	
Semester	1st semester	
Academic year	2024	

Course co-ordinator

Instructors / staffs

Section	Instructors / staffs
71	• Chawan Koopipat

Enrollment conditions

Condition type	Course number and remarks (if any)
Degree level	Bachelor
Related curricular	• รายวิชาที่ไม่ถูกระบุอยู่ในเล่มหลักสูตร - คณะวิทยาศาสตร์
Status	General Education
Course description	<p>Thai ประเภทของกล้องดิจิทัล องค์ประกอบพื้นฐานของกล้องดิจิทัล ขนาดของภาพและประเภทของไฟล์ภาพ การปรับตั้งค่าในการถ่ายภาพ การควบคุมการเปิดรับแสง การจัดองค์ประกอบ เทคนิคการถ่ายภาพแบบต่างๆ การตกแต่งภาพ เทคนิคการนำเสนอภาพ</p> <p>English Types of digital camera; basic elements of digital camera; image size and file type; photographic setting; exposure control; composition; various types of photographic techniques; image editing; image presentation techniques.</p>

Curriculum mapping

- CU-1.1: รู้รอบ
- CU-1.2: รู้ลึก
- CU-3.1: สามารถคิดอย่างมีวิจารณญาณ
- CU-3.2: สามารถคิดริเริ่มสร้างสรรค์
- CU-3.3: มีทักษะในการคิดแก้ปัญหา
- CU-4.1: มีทักษะทางวิชาชีพ
- CU-4.2: มีทักษะทางการสื่อสาร
- CU-4.3: มีทักษะทางเทคโนโลยีสารสนเทศ
- CU-4.4: มีทักษะทางคณิตศาสตร์และสถิติ
- CU-4.5: มีทักษะทางการบริหารจัดการ

Course learning outcomes**Course learning outcome (CLO)****Related PLO**

1. Know various types of digital cameras	-
1. Know various types of digital camera	• CU-1.1: รู้รอบ
1. Know various types of digital camera	• CU-1.1: รู้รอบ
2. Know importance components in camera	-
2. Know importance components in camera	• CU-1.2: รู้ลึก
2. Know importance components in camera	• CU-1.2: รู้ลึก
3. Know how to use camera	-
3. Know how to use camera	• CU-1.2: รู้ลึก • CU-4.1: มีทักษะทางวิชาชีพ
3. Know how to use camera and lens	• CU-1.2: รู้ลึก • CU-4.1: มีทักษะทางวิชาชีพ
4. Know how to take various types of photograph	-
4. Know how to take various types of photograph	• CU-1.2: รู้ลึก • CU-4.1: มีทักษะทางวิชาชีพ
4. Know how to take various types of photograph	• CU-1.2: รู้ลึก • CU-4.1: มีทักษะทางวิชาชีพ
5. Know about image retouching software	-
5. Know about image retouching software	• CU-1.1: รู้รอบ • CU-1.2: รู้ลึก • CU-3.2: สามารถคิดริเริ่มสร้างสรรค์ • CU-4.1: มีทักษะทางวิชาชีพ
5. Know about image retouching software	• CU-1.1: รู้รอบ • CU-1.2: รู้ลึก • CU-3.2: สามารถคิดริเริ่มสร้างสรรค์ • CU-4.1: มีทักษะทางวิชาชีพ

Learning contents

#	Date/time	Learning content	CLO
1	2024-08-08 13:00 - 16:00	Introduction of the course.	-
2	2024-08-15 13:00 - 16:00	Type of digital camera and components in camera. Camera functions. Practicing on camera setting in the class	• Know various types of digital camera • Know importance components in camera

3	2024-08-22 13:00 - 16:00	Composition	<ul style="list-style-type: none"> • Know various types of digital camera • Know how to take various types of photograph
4	2024-08-29 13:00 - 16:00	Basic lighting and setting white balance study of various type of light and its direction and how to set camera for good white balance Homework WB Quiz 3	<ul style="list-style-type: none"> • Know how to use camera
6	2024-09-02 13:00 - 16:00	Portrait photography Study about portrait photography techniques Homework portrait Quiz 4	<ul style="list-style-type: none"> • Know how to take various types of photograph
5	2024-09-05 13:00 - 16:00	Basic Image Editing Image editing in Lightroom photoshop and snapseed Homework on Editing Quiz 5	<ul style="list-style-type: none"> • Know about image retouching software
7	2024-09-19 13:00 - 16:00	Landscape Photography Landscape Photography Homework Landscape Photography Quiz 6	<ul style="list-style-type: none"> • Know how to take various types of photograph
8	2024-09-26 00:00 - 00:00	Midterm	-
9	2024-10-03 13:00 - 16:00	Photographic accessory and animal photography Photographic accessory and animal photography Homework Animal Quiz 7	<ul style="list-style-type: none"> • Know how to take various types of photograph
10	2024-10-10 13:00 - 16:00	Macro Photography Macro Photography Homework Macro Quiz 8	<ul style="list-style-type: none"> • Know how to take various types of photograph
11	2024-10-17 13:00 - 16:00	Food Photography Food Photography Homework Food Photo Quiz 9	<ul style="list-style-type: none"> • Know how to take various types of photograph
12	2024-10-24 13:00 - 16:00	Street photography Street photography Homework Street photography Quiz 10	<ul style="list-style-type: none"> • Know how to take various types of photograph
13	2024-10-31 13:00 - 16:00	Final Photo discussion Final Photo discussion Pre Final quiz	<ul style="list-style-type: none"> • Know how to take various types of photograph
14	2024-11-07	Photography using Mobile Phone	<ul style="list-style-type: none"> • Know how to take

13:00 - 16:00	Photography using Mobile Phone Final quiz	various types of photograph
15 2024-11-14 13:00 - 16:00	Photo competition Discussion of Final photo	<ul style="list-style-type: none"> Know how to take various types of photograph
16 2024-11-21 13:00 - 16:00	Summarize of the course	<ul style="list-style-type: none"> Know how to take various types of photograph

Teaching/learning media

- Powerpoint

Communication channels / LMS

Type	Channel identifier / URL	Remarks
Learning Management System mycourseville (LMS)		
Social media	facebook	https://www.facebook.com/groups/869408561632677/

Assessments

Assessment method	Level of assessment	Related CLO	Percentage
Class attendance			10.00
Final quiz	Bloom's Taxonomy (Understanding)	<ul style="list-style-type: none"> Know various types of digital camera Know importance components in camera Know how to use camera and lens 	10.00
Weekly quiz	Bloom's Taxonomy (Understanding)	<ul style="list-style-type: none"> Know various types of digital camera Know importance components in camera Know how to use camera and lens 	10.00
Final photo	Bloom's Taxonomy (Creating)	<ul style="list-style-type: none"> Know how to use camera and lens Know how to take various types of photograph Know about image retouching software 	20.00
Weekly photo	Miller's pyramid (Does)	<ul style="list-style-type: none"> Know how to use camera and lens Know how to take various types of photograph Know about image retouching software 	50.00

Grading	Grading system	Letter Grade (A-F)																		
	Grading method	Criterion-referenced Grading (อิงเกณฑ์)																		
	Minimum Passing Level (MPL)	0																		
	Grade letters and criteria	<table border="1"> <thead> <tr> <th>Grade letters</th> <th>Criteria for grade letters</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>≥ 80</td> </tr> <tr> <td>B+</td> <td>≥ 75</td> </tr> <tr> <td>B</td> <td>≥ 70</td> </tr> <tr> <td>C+</td> <td>≥ 65</td> </tr> <tr> <td>C</td> <td>≥ 60</td> </tr> <tr> <td>D+</td> <td>≥ 55</td> </tr> <tr> <td>D</td> <td>≥ 50</td> </tr> <tr> <td>F</td> <td>Otherwise</td> </tr> </tbody> </table>	Grade letters	Criteria for grade letters	A	≥ 80	B+	≥ 75	B	≥ 70	C+	≥ 65	C	≥ 60	D+	≥ 55	D	≥ 50	F	Otherwise
Grade letters	Criteria for grade letters																			
A	≥ 80																			
B+	≥ 75																			
B	≥ 70																			
C+	≥ 65																			
C	≥ 60																			
D+	≥ 55																			
D	≥ 50																			
F	Otherwise																			

Reading list -

Course evaluation

Course evaluation system mycourseville, google form

Details of improvement from previous evaluation improve homework topics

Course quality control

Responses to complaints / petitions from students -