

# (Syllabus)

2023

2

(Course Name)							(Language)	
	IMAGE PROCESSING							
(Course No. - Class)	21003187 - 001		(Major)					
/ / (Credits/Theory/Practice)	3/3.0/0.0		/ / (Day/Time/Classroom)					
(Method)	( )		(Type)					
(Specialty Competencies)	, / /							
(Compency)		50 %		50 %		%		%
		%		%		%		%

(Professor)

(Name)	(Department)	(Personal Number)	(Office Number)	E - Mail
	( )	010 - 7473 - 2421		yjeong@sookmyung.ac.kr

## 1. (Course Description & Objective)

### 1) (Course Description)

( , , Low Pass/High Pass , , )

### 2) (Course Objective)

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## 2. (Course Resources)

Seminar (V)	Presentation ( )	Q&A ( )	Special Lecture ( )	Field Trip ( )	Handouts ( )	Audio Video TV ( )	Team Teaching ( )
/ Discussion ( )	Small Group ( )	Problem Solving ( )	/ / Experiment Practice (V)	Case Study ( )	Computer Assisted (V)	OHP Slide ( )	Other ( )

- ( )

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( .)

## 3. (Main Textbooks & References)

### 1) (Textbook)

- Visual C++ OpenCV ,
- OpenCV
- Digital Image Processing, Gonzalez  
<https://g.co/kgs/8fReZw>

### 2) (Reference)

## 4. (Assigned Books)

## 5. (Assignments)

Assignment	(No. of Times)	(Due Week)	Weighing (%)	Contents	Method
	10		0.0		

- (Additional Explanation for assignments)

## 6. 가 (Grading Policy)

가 (Method of Evaluation)	가 (No. of Times)	가 (Content of Evaluation)	( 100%) (Weighing)
	1		30.0

	1		30.0
1	1		10.0
2	1		10.0
	1		20.0
			0.0
			0.0
			0.0

가 1/4 F .  
 - (Notes) 가 (Evaluation Category)

7. (Consultation for Students Taking the Course)

/ /  
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## 8. , , (Weekly Schedule)

(Week)	( / / ) (Theme)	(Method)	( ) (Pages)
1	- : / /		
2	- Color		
3	- -		
4	- : Equalization, Stretching, Gamma Correction - Equalization, Stretching, Gamma Correction		
5	- : Otsu - Otsu		
6	- : Highpass/Lowpass onlinear filtering - Highpass/Lowpass onlinear filtering		
7	- : Highpass/Lowpass filtering - Highpass/Lowpass filtering		
8			
9	- Morphology 1: erosion, dilation - erosion, dilation		
10	- Morphology 1 - opening, closing		
11	- 1 - /		

12	- 2 - Homography		
13	- Segmentation: Canny Edge detection, Hough Transform - Hough Transform		
14	- Feature Extraction - (Zoom):		
15			