

# 강 의 계 획 서(Syllabus)

## [1] 기본 정보(Basic Information)

### ■ 강의 정보(Course Information)

교과목명 (Course Title)	Digital Image Processing	강의유형 (Course Type)	이론
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## [2] 학습 목표/성과(Learning Objectives/Outcomes)

### ■ 과목 설명(Course Description)

This course topics include image enhancement, spatial and frequency domain filtering, edge detection, image segmentation, feature extraction, pattern classification, and the basics of neural networks and deep learning for image processing applications.

### ■ 학습 목표(Learning Objectives)

The objective of this course is to understand the fundamental and advanced topics of image processing and analysis, which can be the basic for various image applications.

### ■ 학습 성과(Learning Outcomes)

Students can learn how to apply image processing techniques to various image applications

## [3] 강의 진행 정보(Course Methods)

### ■ 강의 진행 방식(Teaching and Learning Methods)

강의 진행 방식	추가 설명
오프라인 강의	ppt and writing on board

### ■ 수업 자료(Textbooks, Reading, and other Materials)

수업 자료	제목	저자	출판일/게재일	출판사/학회지
주교재(Main Textbook)	Digital image processing (4th ed.)	Rafael C. Gonzalez, et al	2018	Pearson

[4] 수업 일정(Course Schedule)

차시	강사명	수업주제 및 내용	제출 과제	추가 설명
1	Suhyun Park	Digital Image Fundamentals		
2	Suhyun Park	Spatial-domain Processing		
3	Suhyun Park	Frequency-domain Processing		
4	Suhyun Park	Image Restoration		
5	Suhyun Park	Image Reconstruction		
6	Suhyun Park	Color Processing		
7	Suhyun Park	Image Transformation		
8	Suhyun Park	Digital Image Fundamentals (II)		
9	Suhyun Park	Morphology		
10	Suhyun Park	Image Segmentation		
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13				
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[5] 수강생 학습 안내 사항

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