# CS4243
# Computer Vision
# &
# Pattern Recognition

# Course Structure

- Lecture   Monday 6:30pm – 8:30pm

- Lab                                          15%

- Assignment                          10%

- Course Project                      35%

- Final Exam                            40%

# Lab Schedule

- Wednesday    10am – 12pm

- Wednesday    2pm – 4pm

- Wednesday    6:30pm – 8:30pm

- Thursday      4pm – 6pm

- Friday          10am – 12pm

IS3261   Mobile Apps Development    A/Prof NG Teck Khim

# Teaching Team

Lecturer:        A/Prof Ng Teck Khim
                 office:  COM2  03-28
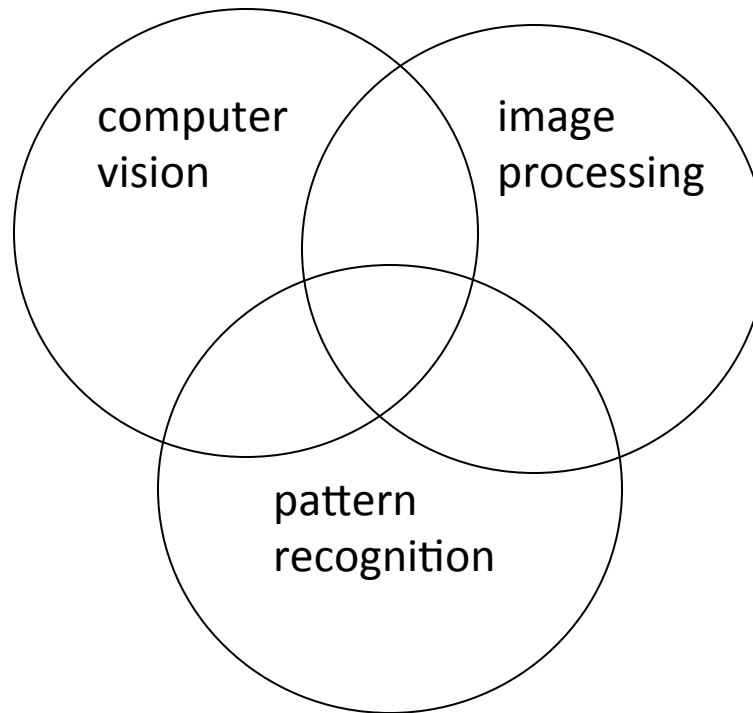                 email:  ngtk@comp.nus.edu.sg

TA:
- Yin Yifang

- Tian Shangxuan

# CS4243:  Computer Vision & Pattern Recognition

## "computer vision ≠ image processing"

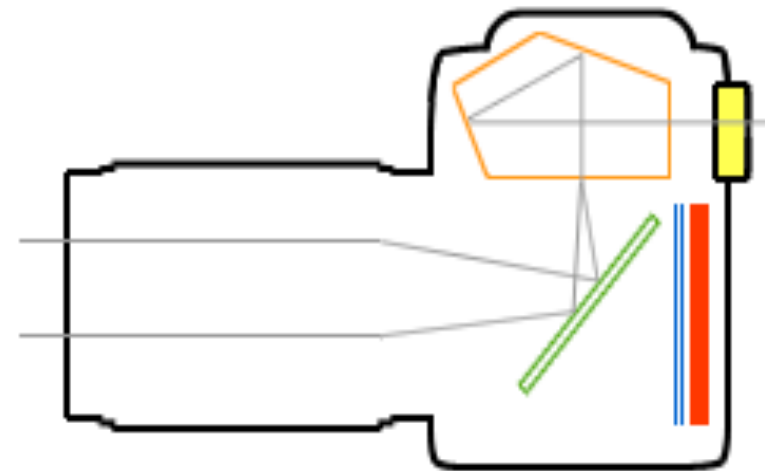study of image formation geometry and use it for 3D modeling and scene understanding

computer vision

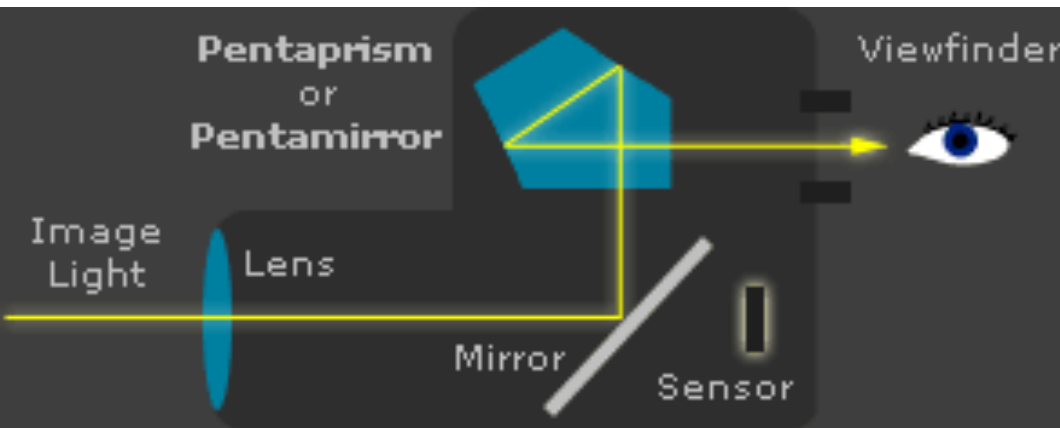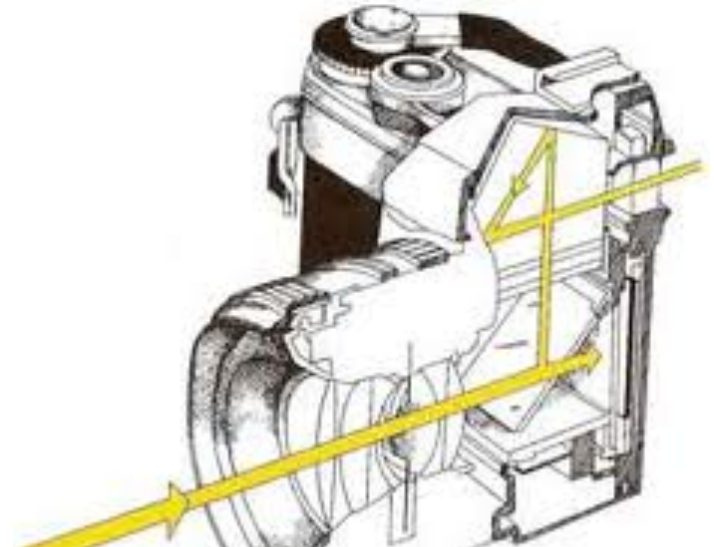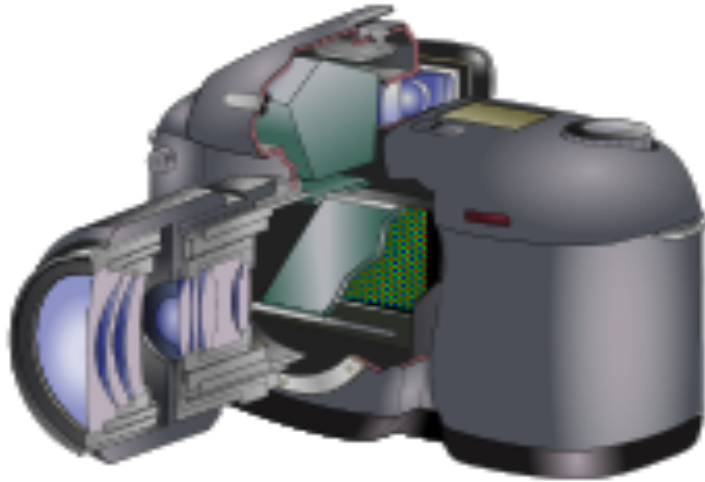image processing
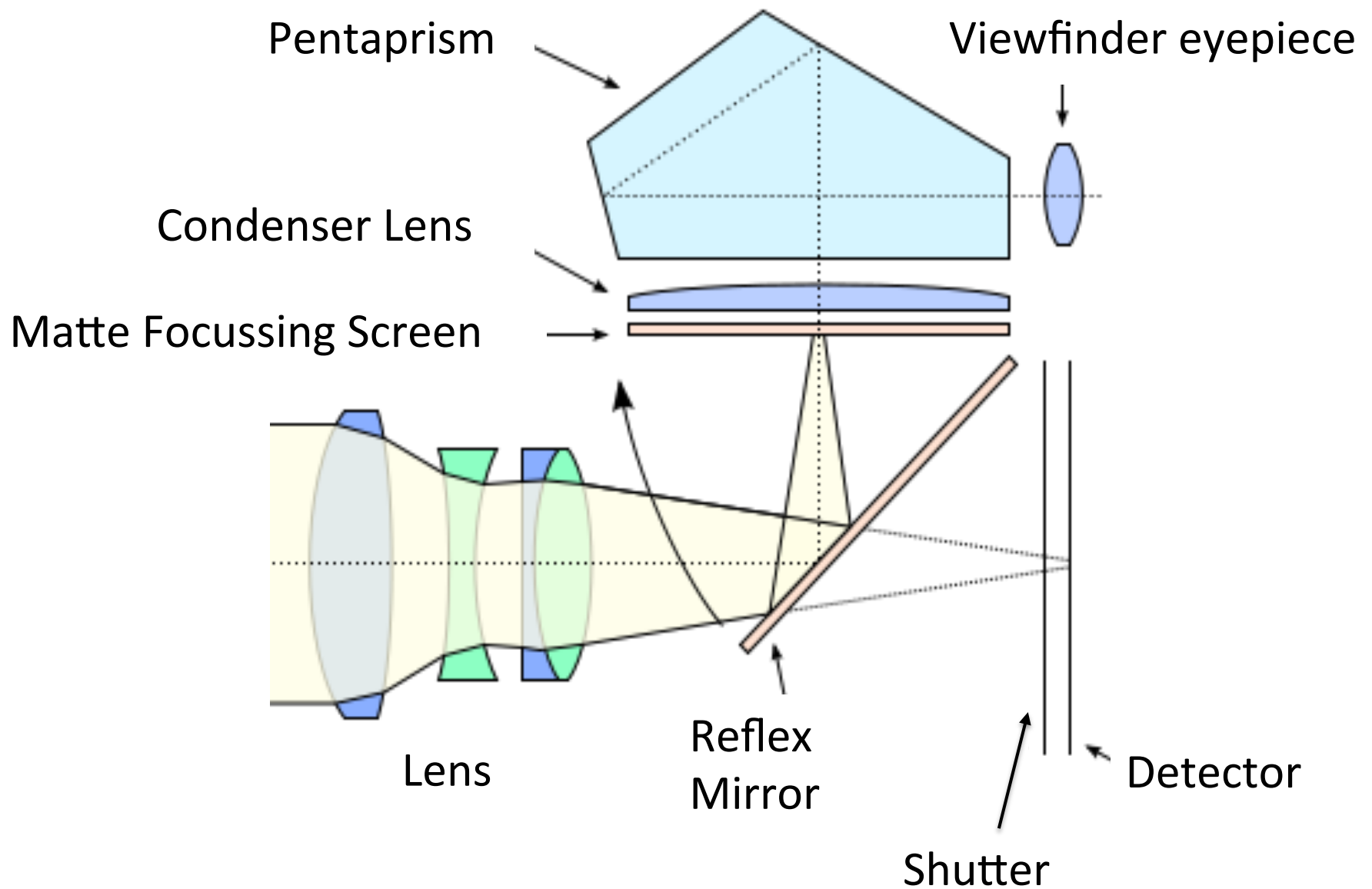
pattern recognition

study of images from signal processing viewpoint
eg. image compression,
    image enhancement,
    image restoration

# Knowing Your Camera

note: the pictures in the next few slides are taken from internet

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# Single Lens Reflex (SLR)

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Pentaprism

Viewfinder eyepiece

Condenser Lens

Matte Focussing Screen

Lens

Reflex Mirror

Shutter

Detector

# Geometrically:

# Pinhole Camera

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Subject

Lens

Film

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