

Computer Vision Final Project

Spring 2025

Schedule

Week	Date	Topic
1	2/21	Introduction to human vision systems
2	2/28	Camera basic, image formation and basic Image processing
3	3/7	Feature detection and matching
4	3/14	Machine learning basics (I)
5	3/21	Machine learning basics (II)
6	3/28	Deep learning basics
7	4/4	春假
8	4/11	Segmentation
9	4/18	Projective Geometry
10	4/25	Estimation of Transformations
11	5/2	Single Camera Geometry/Camera calibration
12	5/9	Two-View Geometry
13	5/16	Dense motion estimation/stereo
14	5/23	Optical flow + object tracking
15	5/30	3D reconstruction/depth sensing/Structure from motion
16	6/6	Final project presentation

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端午節

以實體方式報告

Final Project

- Group final project: 30%
- Group based project, 3-4 people/group
- Two options

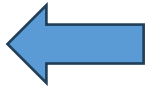
- **Option 1:**
3D Reconstruction



- **Option 2:**
Iris Recognition



Final Project Schedule

- **5/1—5/5 12:00** 組隊登記
 - <https://forms.gle/AYvtMU9jtYbQpveK8>
- **5/2** FP announce  **Today!**
- **5/5 12:00—5/9 12:00** 題目&組名登記
- **5/8 or 5/9** 發布 supplement 建好 Codalab
- **5/10 00:00—5/31 23:59** 開放Codalab註冊&測試
- **6/1** 公告presentation組別&順序
- **6/6** presentation

視情況微調，請注意NTU Cool公告

Final Project Presentation (Tentative Schedule)

- Time: 6/6 13:30—17:30
 - 13:30—15:10 Microsoft Project
 - 15:10—15:30 Break
 - 15:30—17:30 Ganzin Project