

Course name	Special Lecture on Physiology and Pathology of Visual System
Course Number	CE21011
Credits	1.0
Year	2
Term, Weekday and Period	Spr. AB Thu 2
Instructor	Toshibumi KAKIZAWA
Course overview	The course will discuss the concept, definition and category of visual impairment together with the history of transition of causes of visual impairment. The course will also discuss the structure, function, pathophysiology, etc. of visual system.
Remarks	
Teaching method	Lecture
Attainment target	The students will learn pathological conditions of causative disease of visual impairment and the impact on the visual function.
Teaching schedule	Day 1: Definition of visual impairment Day 2: The structure of visual organs and main eye diseases causing visual impairment (cornea) Day 3: The structure of visual organs and main eye diseases causing visual impairment (cornea) Day 4: The structure of visual organs and main eye diseases causing visual impairment (lens) Day 5: The structure of visual organs and main eye diseased causing visual impairment (retina 1) Day 6: The structure of visual organs and main eye diseased causing visual impairment (retina 2) Day 7: The structure of visual organs and main eye diseases causing visual impairment (optic nerve visual center) Day 8: The structure of visual organs and main eye diseases causing visual impairment (visual center) Day 9: Understanding of visual function and the visibility of amblyopia Day 10: Basics of amblyopia aids
Course conditions	
Evaluation	Evaluation on a four-point scale (A to D) mainly based on the results of tests in the class, in addition to attendance record.
Homework	Students are requested to read the section related to visual impairment in the designated textbook in advance.
Text Book	
Reference	
Office hours	Thursday 12:00-14:00 An appointment is required to visit on other day of week and time. Human Science Bldg. A145 kakizawa* <a href="mailto:kakizawa*@human.tsukuba.ac.jp">@human.tsukuba.ac.jp</a> (Asteriscs before and after @ should be deleted)
Expectation for student	Students are requested to prepare for and review the class according to the textbook. It is recommended to read the above reference literatures and books on ophthalmology.
Keywords	Visual impairment, visual organs, visual impairment causative disease, and visual function