

## SISR S 601 (4828) Applied Cancer Biology and Immunology

(Code: 4828, 1st~2nd year, 1 unit)

(Course ID: GS-c4828-L)

### 1. Instructors

NAME	DEPARTMENT	CONTACT INFORMATION
<b>Chief instructor</b> Assistant Professor Pradit Rushatamukayanunt, M.D.,Ph.D.	Department of Surgery, Division of Head Neck and Breast Surgery	Pradit.rus@mahidol.ac.th
Associate Professor Suebwong Chuthapisith, M.D.,Ph.D.	Department of Surgery, Division of Head Neck and Breast Surgery	Suebwong.chu@mahidol.ac.th

### 2. Classroom/Lab

Division of Head Neck and Beast, Department of Surgery Faculty of Medicine  
Siriraj Hospital, Syamindra building, 13floor

### 3. Course Purpose and Outline

[Course Purpose]

Basic knowledge about cancer biology and immunology are important toward basic research as well as implement to clinical arena. Application of cancer biology and immunology toward clinical care will be educated

[Course Outline]

Background of cancer biology and immunology will be reviewed. Application toward nouveau treatment approaches will be discussed

### 4. Course Objectives

The student will be able to understand application of biology and immunology on the context of cancer treatment.

### 5. Format

The course includes lectures and seminars

## 6. Course Details

No	Topic/Details
1	Introduction to Cancer Immunology
2	Cancer genetics and epigenetics
3	Cellular Signaling and Carcinogenesis
4	Cancer Phenotypes toward precision cancer therapy
5	Cancer Immunotherapy

## 7. Assessment

Attendance (70%) and Presentation (20%)

## 8. Prerequisite Reading

None.

## 9. Reference Materials

None.

## 10. Important Course Requirements

None.

## 11. Language used

All classes are conducted in English.

## **12. Office Hours**

Mon – Fri: 9:00 AM – 17:00 PM

Contact: Asst. Prof. Pradit Rushatamukayanunt, M.D., Ph.D., Division of Head Neck and  
Beast, Department of Surgery

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Please contact the instructors regarding questions or consultations.

## **13. Note(s) to Students**

None.