



# HANYANG UNIVERSITY

## 2018 HISS Syllabus (Impact of Electromagnetic Radiation)

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Home Univ.: Hanyang University  
Dept.: Dept. of Electronic Engineering

Description: This course is designed to increase knowledge and understanding about the impact of radio transmission, wireless technologies, lasers and light sources, X-ray and Terahertz technologies and the impacts of UV and Gamma rays.

Objective: 1. To introduce students to foundations of electromagnetic theory with focus on electromagnetic radiation  
2. To introduce students to benefits of using electromagnetic radiation in everyday life and medical science  
3. To introduce students to radiation induced injuries and electromagnetic pollution

Preparations:

Schedule:	Week 1	A Brief Review of Electromagnetic Radiation
	Week 2	Impacts of Radio Transmission & Wireless Technologies
	Week 3	Impacts of Lasers and Other Light Sources & Impacts of X-Ray, UV and Gamma Ray
	Week 4	Biomedical Applications of Electromagnetic Fields and Radiation-Related Accidents

Evaluation:	Midterm (%)	Final (%)	Attendance (%)	Assignments (%)	Participation (%)	Etc. (%)
	40	40	10	--	10	--

### Hanyang International Summer School

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