



Syllabus (2019-Fall semester)

교과목명 Course Title	이론물리특론II	학수번호 Course No.	G12154
개설전공 Department /Major	물리학과	학점 Credit	3
수업시간/강의실 Class Time/ Class room	Tuesday 2,3 class hour		
담당교원 Instructor	성명:안창림 Name	소속:물리학과 Department	
	E-mail: tejeho@gmail.com Homepage: everest.ewha.ac.kr	연락처:3277-2387 Telephone	
면담시간/장소 Office Hours/ Office Location	화 4, 목 5교시 / 종과A 524호		

I. Course Overview

1. Course Description

이론물리학의 핵심인 양자장론을 바탕으로 등각장론 및 가적분 양자장론의 기본을 강의한다.

2. Prerequisites

Quantum Field Theory I

3. Course Format

Lecture	Discussion/Presentation	Experiment/Practicum	Field Study	Other
100%	%	%		%

(Instructor can change to match the actual format of the class.)

Explanation of course format:



4. Course Objectives

Quantum Field Theory
Conformal Field Theory
Integrable QFT and applications

5. Evaluation System

Midterm Exam	Final Exam	Quizzes	Presentation	Projects	Assignments	Participation	Other
%	100%	%	%	%	%	%	%

(Instructor can change to match the actual format of the class.)

* Evaluation of group projects may include peer evaluations.

Explanation of evaluation system:



II. Course Materials and Additional Readings

1. Required Materials

<http://k2.ewha.ac.kr/psi2016.html>
<http://k2.ewha.ac.kr/lecture/jeju2011.pdf>

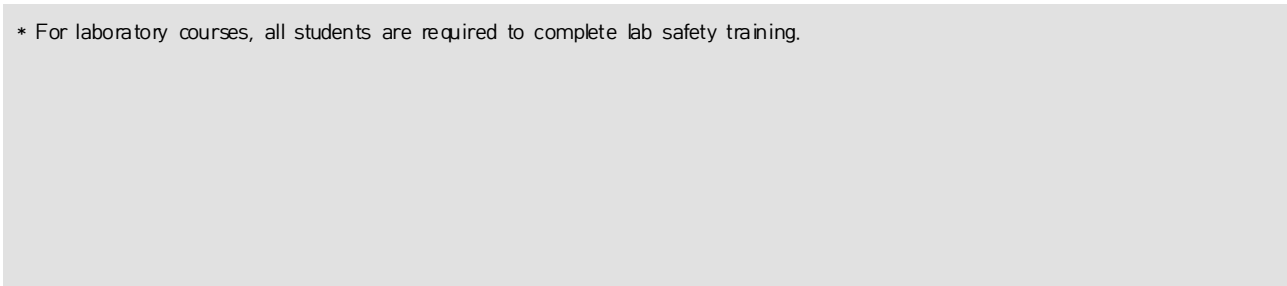
2. Supplementary Materials

3. Optional Additional Readings



III. Course Policies

* For laboratory courses, all students are required to complete lab safety training.





IV. Course Schedule (15 credit hours must be completed.)

Week	Date	Topics & Class Materials, Assignments
Week 1	(09/03)	Quantum Field Theory
Week 2	(09/10)	Quantum Field Theory
Week 3	(09/17)	Quantum Field Theory
Week 4	(09/24)	Conformal Field Theory
Week 5	(10/01)	Conformal Field Theory
Week 6	(10/08)	Conformal Field Theory
Week 7	(10/15)	Conformal Field Theory
Week 8	(10/22)	Conformal Field Theory
Week 9	(10/29)	Integrable Quantum Field Theory
Week 10	(11/05)	Integrable Quantum Field Theory
Week 11	(11/12)	Integrable Quantum Field Theory
Week 12	(11/19)	Integrable Quantum Field Theory
Week 13	(11/26)	Integrable Quantum Field Theory
Week 14	(12/03)	Integrable Quantum Field Theory
Week 15	(12/10)	Integrable Quantum Field Theory
	(12/17)	Final Term Exam
Makeup Class	(mm/dd)	



V. Special Accommodations

* According to the University regulation section #57-3, students with disabilities can request for special accommodations related to attendance, lectures, assignments, or tests by contacting the course professor at the beginning of semester. Based on the nature of the students' request, students can receive support for such accommodations from the course professor or from the Support Center for Students with Disabilities (SCSD). Please refer to the below examples of the types of support available in the lectures, assignments, and evaluations.

Lecture	Assignments	Evaluation
<ul style="list-style-type: none"> . Visual impairment : braille, enlarged reading materials . Hearing impairment : note-taking assistant . Physical impairment : access to classroom note-taking assistant 	Extra days for submission, alternative assignments	<ul style="list-style-type: none"> . Visual impairment : braille examination paper, examination with voice support, longer examination hours, note-taking assistant . Hearing impairment : written examination instead of oral . Physical impairment : longer examination hours, note-taking assistant

- Actual support may vary depending on the course.

* The contents of this syllabus are not final—they may be updated.