

# Regulations on Graduation from the Undergraduate Program at the Department of Physics, NTNU

Approved at the Faculty Meeting of Physics Departemnt, 1997

Revised at the Faculty Meeting of Physics Departemnt, 2005

Revised at the Faculty Meeting of Physics Departemnt, 2006

Revised at the Faculty Meeting of Physics Departemnt, 2010

## I . Credit requirements:

Year		Required credits for students of all majors	Credits for Educational program	Required credits for physics majors	Minimum elective credits for physics majors	Electives credits	Minium credits for graduation
1994		26	26	62	12	20	148
1995		28	26	66	12	16	148
1997	Students in Educational program	28	26	66	12	16	148
	Students not in educational program	28	0	66	18	16	128
1998	Students in Educational program	28	26	66	18	10	148
	Students not in educational program	28	0	66	18	16	128
2002	Students in Educational program	28	26	66	18	16	154
	Students not in educational program	28	0	66	18	16	128
2007	Students in Educational program	28	26	69	18	16	157
	Students not in educational program	28	0	69	18	16	131

All courses fulfilling the “minimum elective credits for physics majors” should be those offered by faculty of the physics department.

## II . Prerequisite and corequisite courses :

- 「 General Physics 」 should either be a prerequisite or corequisite for 「 Mechanics 」 , 「 Electricity and Magnetism (I) 」 , 「 Electricity and Magnetism (II) 」 , 「 Thermal Physics 」 , 「 Optics 」 , 「 Modern Physics 」 and 「 Experimental Physics(I), (II), (III) 」 .
- 「 General Physics 」 is a prerequisite for 「 Materials and Methods for Physics Teaching 」 , 「 Studies in Physics Teaching Materials and Methods 」 , 「 Teaching Practice 」 .
- 「 Thermal Physics 」 is a prerequisite for 「 Statistical Thermodynamics 」 .
- 「 Electronics(I), (II) 」 and 「 Electronics Laboratory(I), (II) 」 are corequisites, except for students repeating the courses (applicable for students admitted after the year of 2002).
- For courses marked with (I) and (II), instuctor’s permission is required for those who would like to take (II) before passing (I).

## III . Minimum credits per semester:

- Minimum credits are 16 for the first, second and third years, and 9 for the fourth year.

2. 「 Computer and Physics Teaching Activity 」 , 「 Science Education 」 , 「 Materials and Methods for Physics Teaching 」 , 「 Teaching Practice 」 , 「 Measurement & Evaluation in Physics Teaching 」 , 「 Instruction Media in Physics 」 , 「 Studies in Physics Teaching Materials and Methods 」 , 「 Design of Physics Teaching Aids 」 can be counted as minimum credits per semester.
3. Senior students should get approval from the Committee for the Accreditation of Teacher Education before taking 「 Materials and Methods for Physics Teaching 」 , 「 Teaching Practice 」 (applicable for students admitted after the year of 2002).

IV 、 Credits for Educational Program will not be counted as “required credits for physics major.”

V 、 Starting from 1997, credits taken for Educational program but failing to fulfill the total required 26 credits for the program, a maximum of 16 may be counted as the minimum credits for graduation, but will not be counted thereafter as credits leading toward the educational program.

VI 、 Senior students with average grade above 80 or ranked within the upper 10% of the class are allowed to take a maximum of 6 credits in the Master program in physics, with the permission of the instructor and department chair. The course taken will not be counted in the minimum requirement for graduation, but can be waived once the students are admitted to the master program of this department.